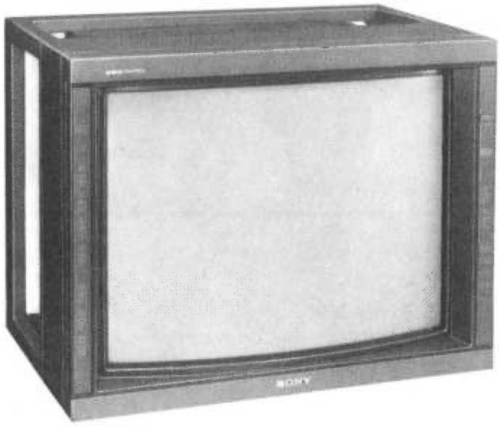
PVM-2530
RM-739

SERVICE MANUAL

US Model
Canadian Model
Chassis No. SCC-A58A-A



December, 1986

THIS MANUAL CONTAINS SUPPLEMENTS No. 1 .

SPECIFICATIONS

Note: The service manuals for RM-739 have been issued separately.

Color system	NTSC system
Picture tube	Trinitron tube Approx. 63.5 cm picture measured diagonally, 100-degree deflection, AG Pitch 0.73 mm
Resolution	VTR inputs: 560 TV lines RGB inputs: 640 × 200 dots (2000 characters)
Color temperature	9300°K
Frequency response	10 MHz (−3 to +4 dB, RGB) 6 MHz (+3 dB, composite video)
Horizontal linearity	Less than ±5%
Vertical linearity	Less than ±5%
Line pull range	Horizontal: +500 Hz Vertical: −8 Hz
Overscan of the picture	Less than +7%
Input return loss	More than 35 dB up to 4 MHz
Zooming	Within 5%
Convergence	Central area: within 1.0 mm Periphery: within 1.8 mm
Inputs	
VIDEO IN:	LINE A/B: BNC connector composite video, 1 Vp-p ±6 dB, sync negative, 75-ohms termination switchable VTR: 8-pin connector, composite video, 1 Vp-p ±6 dB, sync negative, 75-ohms terminated
AUDIO IN:	LINE A/B: Phono jack, −5 dBs, high impedance VTR: 8-pin connector, −5 dBs, high impedance
CMPTR	25-pin connector (See "Pin assignment")
Outputs	
VIDEO OUT:	LINE A/B: BNC connector
AUDIO OUT:	LINE A/B: Phono jack
SPEAKER:	8 ohms
Power requirements	120 V AC, 50/60 Hz
Power consumption	180 W max
Dimensions	Approx. 653 × 508 × 491 mm (w/h/d) ($25^3/_4$ × 20 × $19^3/_8$ inches)
Weight	Approx. 53 kg (116 lb 14 oz)

Supplied accessories

Remote commander RM-739, with 2 batteries (IEC designation R6) 1
BNC-Phono adaptor plug 4

Optional accessories

SU-539 TV stand
SU-541 TV stand
SS-X6A speaker system
APM-X5A speaker system

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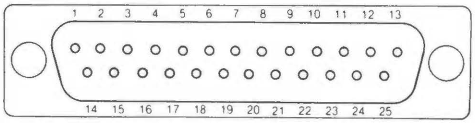
TRINITRON COLOR VIDEO MONITOR

SONY®

MICROFILM

MON

CMPTR connector (25-pin)
Pin assignment



Pin No.	Signal	Signal level
1*	IBM select	High state (5 V): IBM mode Low state: 3 Bit TTL
2	Audio select	High state (5 V or open): Audio inputs from pin 13. Low state (less than 0.4 V): Audio inputs from the LINE A AUDIO IN jacks
3	H. sync or composite sync	Negative polarity When the high state is selected at pin 9: 1 Vp-p, 75-ohm terminated When the low state is selected at pin 9: TTL level
4	Blue input	Positive polarity When the high state is selected at pin 9: Analog signal (0.7 Vp-p, 75-ohm terminated, non sync 1 Vp-p, 75-ohm terminated, with sync on G-signal) When the low state is selected at pin 9: Digital signal (TTL level)
5	Green input	
6	Red input	
7	No connection	—
8		
9*	Analog/digital mode select	High state (open): Analog signal (0.7 Vp-p) Low state (ground): Digital signal (TTL level)
10	RGB/NORMAL mode select	High state (5 V or open): RGB inputs from a microcomputer Low state (ground): Composite video inputs from the LINE A/LINE B VIDEO IN or VTR connector
11	V-sync	Negative polarity TTL level
12	Blanking	High state (5 V or open): Video inputs from a microcomputer only Low state (ground): Composite video input from the LINE A/LINE B VIDEO IN or VTR connector During the low state, the video signal from the microcomputer is blanked and the composite video signal from the LINE A/LINE B VIDEO IN or VTR connector is superimposed over the signal from the microcomputer.
13	Audio input	Input level –5 dB (100% modulation), input impedance more than 47 k ohms
14	No connection	—
15-24	Ground	
25*	IBM luminance signal	Positive polarity When the high state is selected at pin 1: TTL level When the low state is selected at pin 1: Low state (ground)

Design and specifications subject to change without notice.

TROUBLESHOOTING

If these symptoms occur when you begin operation, follow the suggestions below.

SYMPTOMS	CORRECTIONS
No controllable keys although the POWER switch is turned on.	• Press the CONTROL key.
No indication appears although the CONTROL key is pressed.	• Set the MANUAL CONTROL switch on the rear panel to ON.
Remote control is not possible.	• Set the REMOTE CONTROL switch on the rear panel to ON.

If the problem still cannot be solved, contact your authorized Sony dealer.

SAFETY CHECK-OUT
(US model only)

After correcting the original service problem, perform the following safety checks before releasing the set to the customer:

1. Check the area of your repair for unsoldered or poorly-soldered connections. Check the entire board surface for solder splashes and bridges.
2. Check the interboard wiring to ensure that no wires are "pinched" or contact high-wattage resistors.
3. Check that all control knobs, shields, covers, ground straps, and mounting hardware have been replaced. Be absolutely certain that you have replaced all the insulators.
4. Look for unauthorized replacement parts, particularly transistors, that were installed during a previous repair. Point them out to the customer and recommend their replacement.
5. Look for parts which, though functioning, show obvious signs of deterioration. Point them out to the customer and recommend their replacement.
6. Check the line cord for cracks and abrasion. Recommend the replacement of any such line cord to the customer.
7. Check the condition of the monopole antenna (if any).
   Make sure the end is not broken off, and has the plastic cap on it. Point out the danger of impalement on a broken antenna to the customer, and recommend the antenna's replacement.
8. Check the B+ and HV to see they are at the values specified. Make sure your instruments are accurate; be suspicious of your HV meter if sets always have low HV.
9. Check the antenna terminals, metal trim, "metallized" knobs, screws, and all other exposed metal parts for AC leakage. Check leakage as described below.

LEAKAGE TEST

The AC leakage from any exposed metal part to earth ground and from all exposed metal parts to any exposed metal part having a return to chassis, must not exceed 0.5 mA (500 microampers). Leakage current can be measured by any one of three methods.

1. A commercial leakage tester, such as the Simpson 229 or RCA WT-540A. Follow the manufacturers' instructions to use these instruments.
2. A battery-operated AC milliammeter. The Data Precision 245 digital multimeter is suitable for this job.
3. Measuring the voltage drop across a resistor by means of a VOM or battery-operated AC voltmeter. The "limit" indication is 0.75 V, so analog meters must have an accurate low-voltage scale. The Simpson 250 and Sanwa SH-63Trd are examples of a passive VOM that is suitable. Nearly all battery operated digital multimeters that have a 2 V AC range are suitable. (See Fig. A)

HOW TO FIND A GOOD EARTH GROUND

A cold-water pipe is guaranteed earth ground; the cover-plate retaining screw on most AC outlet boxes is also at earth ground. If the retaining screw is to be used as your earth-ground, verify that it is at ground by measuring the resistance between it and a cold-water pipe with an ohmmeter. The reading should be zero ohms. If a cold-water pipe is not accessible, connect a 60–100 watts trouble light (not a neon lamp) between the hot side of the receptacle and the retaining screw. Try both slots, if necessary, to locate the hot side of the line, the lamp should light at normal brilliance if the screw is at ground potential. (See Fig. B)

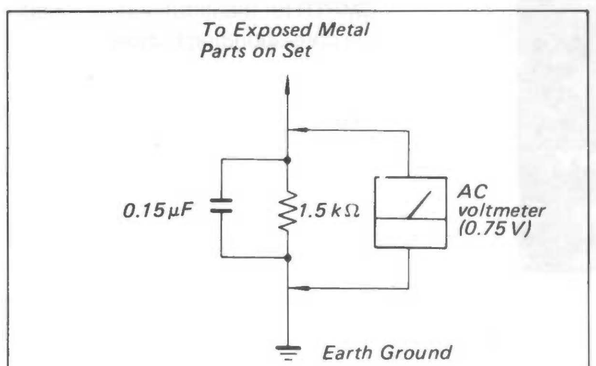


Fig. A. Using an AC voltmeter to check AC leakage.

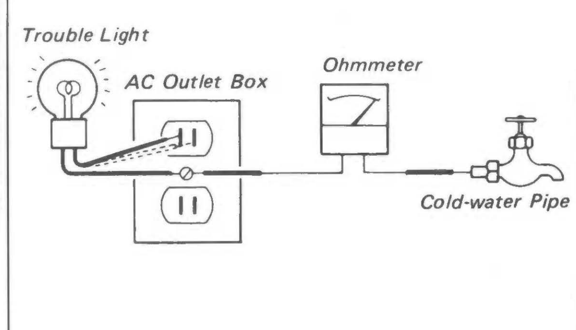


Fig. B. Checking for earth ground.

PVM-2530
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TABLE OF CONTENTS

SAFETY-RELATED COMPONENT WARNING !!

COMPONENTS IDENTIFIED BY SHADING AND MARK ⚠ ON THE SCHEMATIC DIAGRAMS, EXPLODED VIEWS AND IN THE PARTS LIST ARE CRITICAL TO SAFE OPERATION. REPLACE THESE COMPONENTS WITH SONY PARTS WHOSE PART NUMBERS APPEAR AS SHOWN IN THIS MANUAL OR IN SUPPLEMENTS PUBLISHED BY SONY. CIRCUIT ADJUSTMENTS THAT ARE CRITICAL TO SAFE OPERATION ARE IDENTIFIED IN THIS MANUAL. FOLLOW THESE PROCEDURES WHENEVER CRITICAL COMPONENTS ARE REPLACED OR IMPROPER OPERATION IS SUSPECTED.

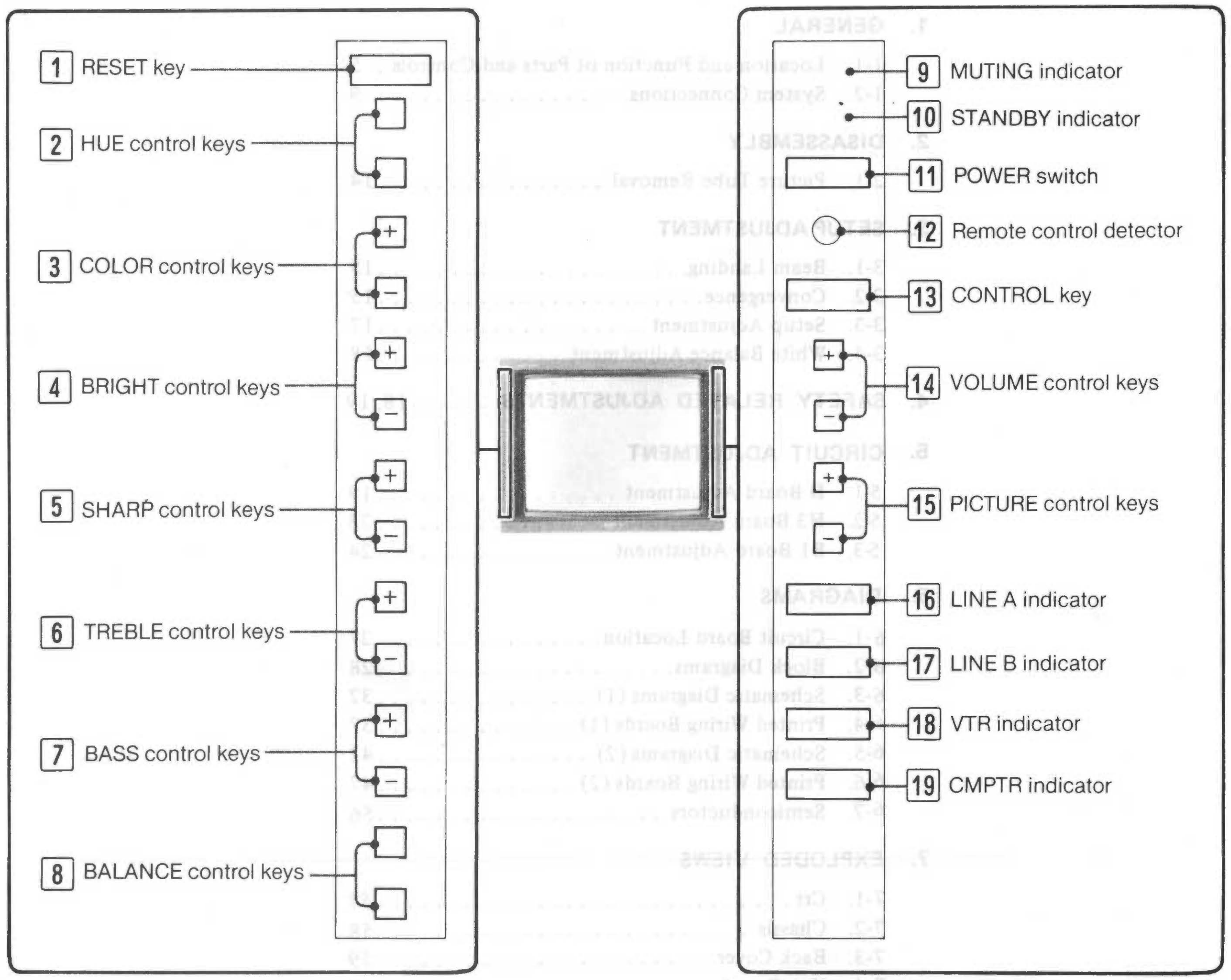
ATTENTION AUX COMPOSANTS RELATIFS À LA SÉCURITÉ!!

LES COMPOSANTS IDENTIFIÉS PAR UNE TRAME ET PAR UNE MARQUE ⚠ SUR LES SCHÉMAS DE PRINCIPE, LES VUES EXPLOSÉES ET LES LISTES DE PIECES SONT D'UNE IMPORTANCE CRITIQUE POUR LA SÉCURITÉ DU FONCTIONNEMENT. NE LES REMPLACER QUE PAR DES COMPOSANTS SONY DONT LE NUMÉRO DE PIÉCE EST INDIQUÉ DANS LE PRÉSENT MANUEL OU DANS DES SUPPLÉMENTS PUBLIÉS PAR SONY. LES RÉGLAGES DE CIRCUIT DONT L'IMPORTANCE EST CRITIQUE POUR LA SÉCURITÉ DU FONCTIONNEMENT SONT IDENTIFIÉS DANS LE PRÉSENT MANUEL. SUIVRE CES PROCÉDURES LORS DE CHAQUE REMPLACEMENT DE COMPOSANTS CRITIQUES, OU LORSQU'UN MAUVAIS FONCTIONNEMENT EST SUSPECTÉ.

SECTION 1
GENERAL

1-1. LOCATION AND FUNCTION OF PARTS AND CONTROLS

Front panel



• Press CONTROL key after power is turned on to light the control keys or indicators.

The following control keys are effective only when MANUAL CONTROL switch on the rear panel is set to ON.

1 RESET key
Press this key to return to the standard setting.
• This key is effective only for the control keys on the left.

2 HUE control keys
Press the GRN (green) key to make the skin tones greenish or the PUR (purple) key to make it purplish.

3 COLOR control keys
Press the + key to make the color intensity vivid or the – key to make it pale.

4 BRIGHT (brightness) control keys
Press the + key to make the picture brighter or the – key to make it darker.

5 SHARP (sharpness) control keys
Press the + key to obtain a sharp picture or the – key to obtain a less sharp picture.

6 TREBLE control keys
Press the + key to increase the treble (high tone) or the – key to decrease it.

7 BASS control keys
Press the + key to increase the bass (low tone) or the – key to decrease it.

8 BALANCE control keys
Press the L key to increase the sound volume of the left speaker or the R key to increase the sound volume of the right speaker.

9 MUTING indicator
Illuminates while the sound is muted.
• Muting is controlled only by a remote commander.

10 STAND BY indicator
Illuminates when the POWER switch is turned off.

11 POWER switch
Press this switch to turn the monitor on.
Press this switch again to turn it off.
• When the monitor is turned on, the settings of the monitor are the same as when it was last turned off.
• For a few seconds after turning on the monitor the color of picture may vary because the white balance is adjusted at this time. This is not a problem.

12 REMOTE control detector
The beam from the Remote Commander is received here.

13 CONTROL key
Press this key to illuminate the keys and indicators on the front panel.
Press this key again to extinguish them.

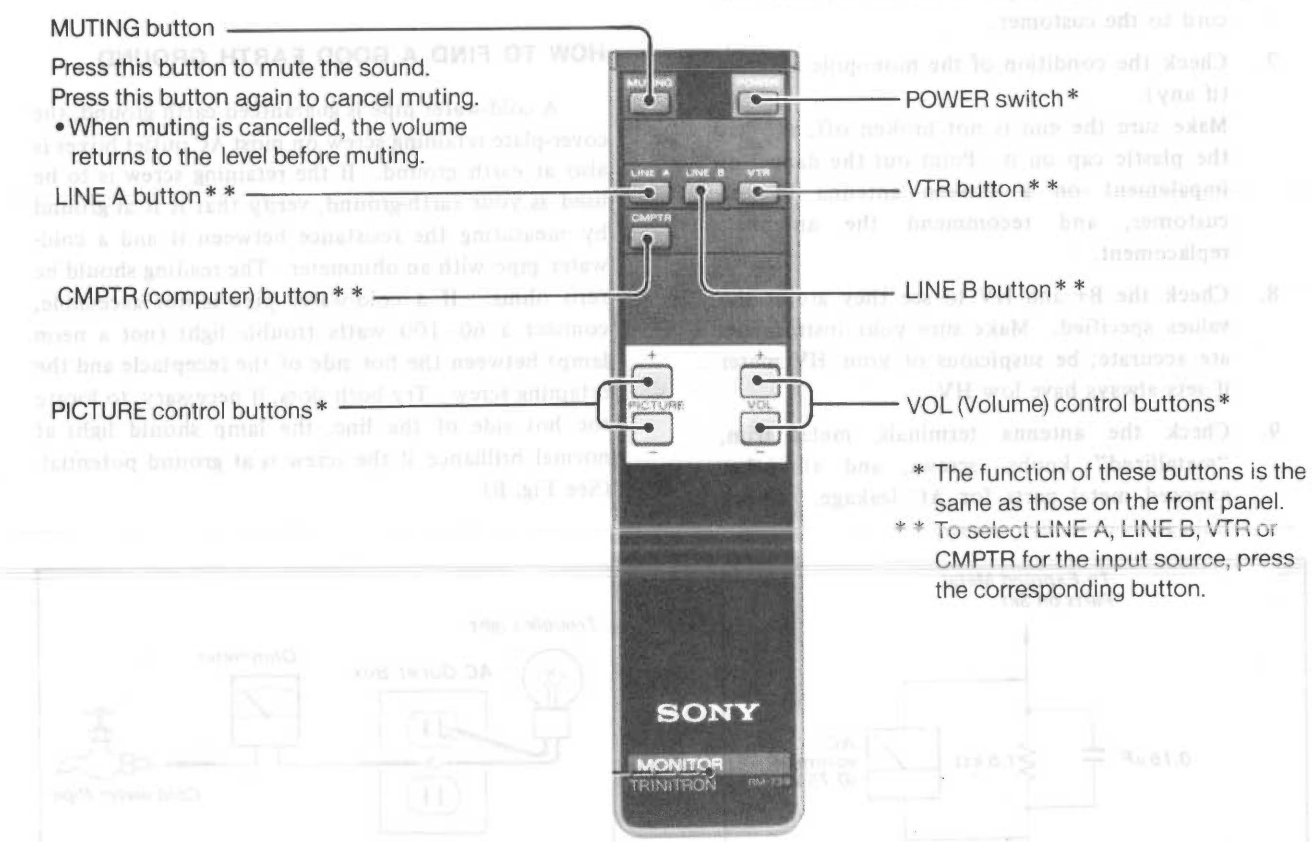
14 VOLUME control keys
Press the + key to raise the volume or the – key to lower it.

15 PICTURE control keys
Press the + key to make the contrast, color intensity and brightness stronger or the – key to make them weaker.

16 LINE A indicator
17 LINE B indicator
18 VTR indicator
19 CMPTR (computer) indicator
When the input source is selected, each indicator:
• Blinks if the indicators and keys excepting input source indicators illuminate.
• Illuminates if they are extinguished.

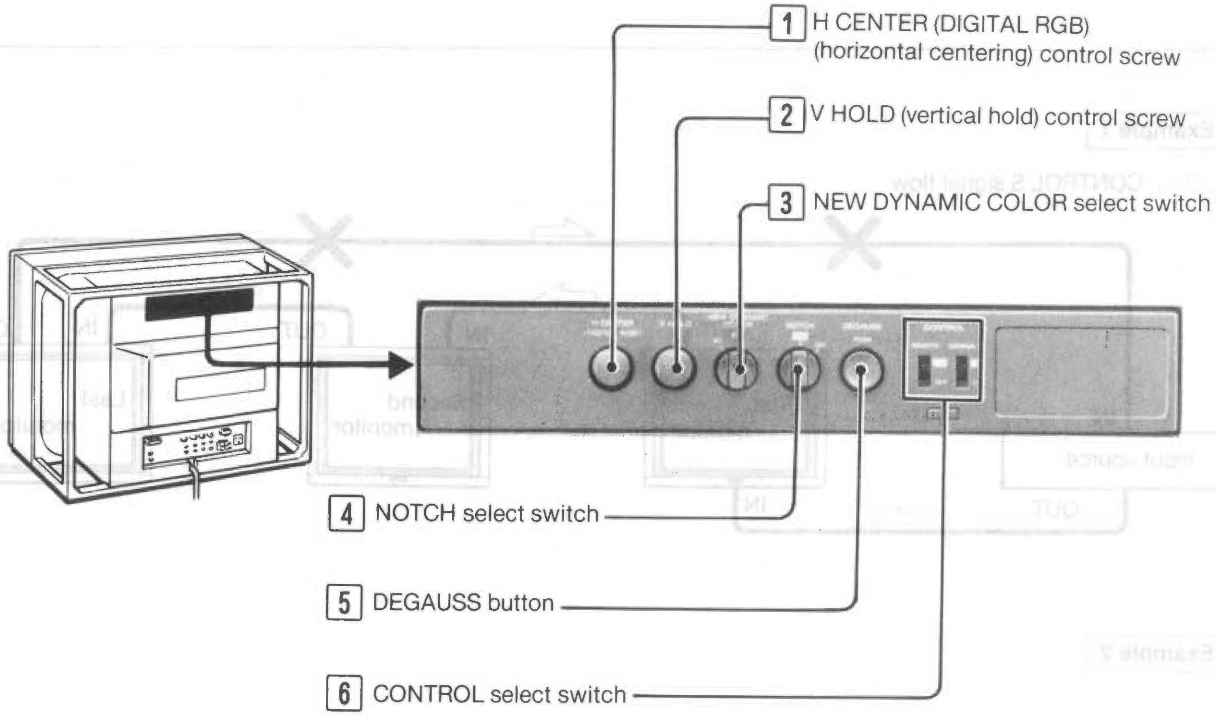
Key illumination
For the keys 1 through 8, 14 and 15:
• While each key is pressed, it blinks, indicating that adjustment is going on.
• During adjustment, if the adjustment value reaches the limit, the blinking speed becomes slower.

Remote commander



* The function of these buttons is the same as those on the front panel.
** To select LINE A, LINE B, VTR or CMPTR for the input source, press the corresponding button.

Rear panel



1 H CENTER (DIGITAL RGB) (horizontal centering) control
When the picture of DIGITAL RGB input is distorted horizontally, correct it with this control.

2 V HOLD (vertical hold) control
When the picture rolls vertically, correct it with this control.

3 NEW DYNAMIC COLOR select switch
Normally set to ON, which makes it possible to obtain natural skin tone and "blueish white".

4 NOTCH select switch
Normally set to OFF.
To eliminate notches forming along the horizontal boundary between the colors, set this switch to ON.

5 DEGAUSS button
Push this button for more than 5 seconds to demagnetize the screen.
(Just a touch may make the screen more magnetized.)
Wait for 10 minutes or more before activating this button again.

6 CONTROL select switches
Normally set to ON.

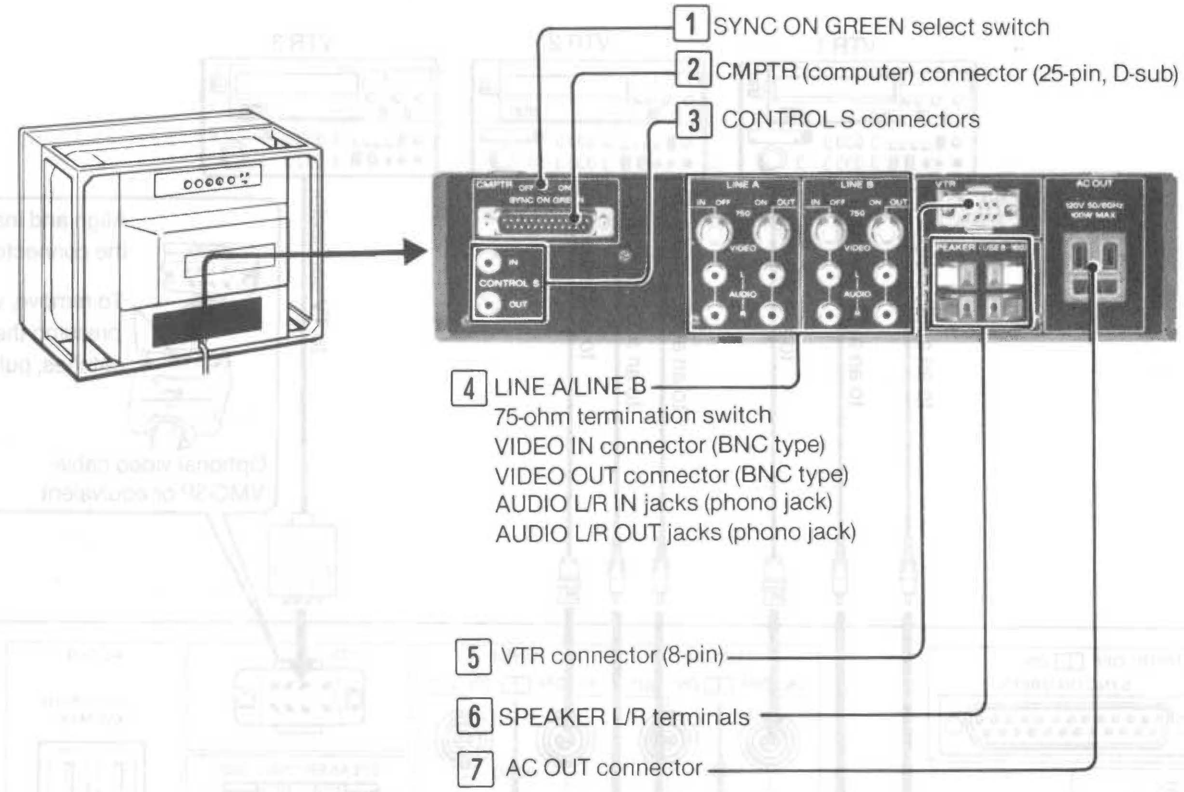
REMOTE CONTROL switch
Set this switch to ON to control the monitor with a Remote Commander.
If this switch is set to OFF, the remote control is not possible.

MANUAL CONTROL switch
Set this switch to ON to control the monitor manually.
To make the manual control of the control keys or switches on the front panel impossible, distinguish the indicators by pressing the CONTROL key on the front panel and set this switch to OFF.
(However remote control is possible if REMOTE CONTROL switch is set to ON.)

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Connectors



1 SYNC ON GREEN select switch
When an RGB input source is connected to CMPTR connector, set this switch to:
ON to synchronize with the sync signal on G-signal.
OFF to synchronize with H./V. sync signal or composite sync signal.

2 CMPTR (computer) connector (25-pin, D-sub)
Connect to a microcomputer with digital or analog RGB outputs.
For the pin assignment, refer to SPECIFICATIONS.

3 CONTROL S IN/OUT connectors
Connect to the CONTROL S connectors of a VTR or several monitors.
It is then possible to control the system with a single Remote Commander.

4 LINE A/LINE B

VIDEO IN connector (BNC type)
AUDIO L/R IN jacks (phono jack)
Connect to the video and audio outputs of a VTR or a camera.

VIDEO OUT connector (BNC type)
AUDIO L/R OUT jacks (phono jack)
Loop-through outputs of the IN connector and jacks.
Connect to the video and audio inputs of another monitor.

75-ohm termination switch
When only the VIDEO IN connector is used (nothing is connected to the VIDEO OUT connector), set this switch to ON.
When both connectors are used together for a loop-through connection), set this switch to OFF.

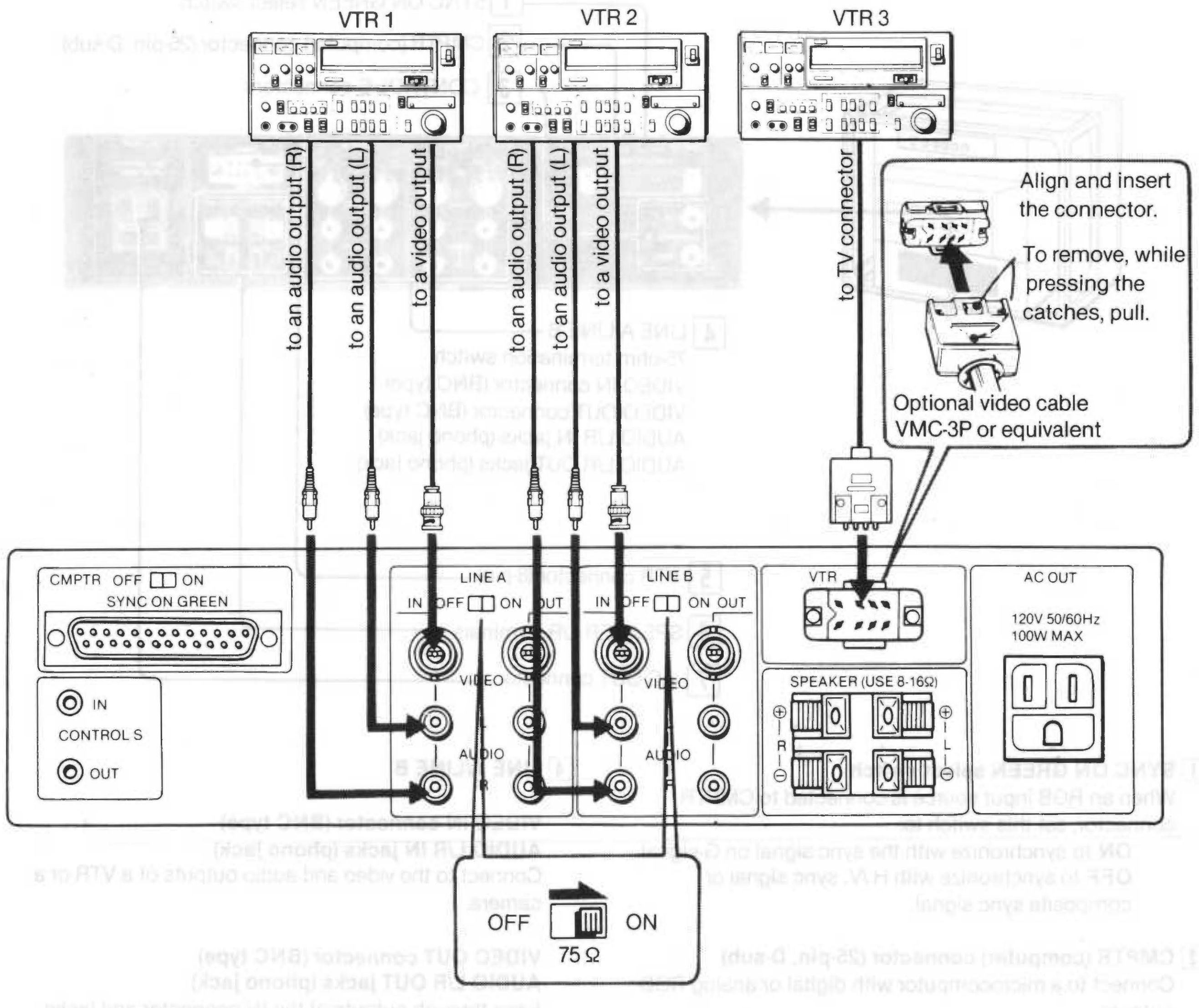
5 VTR connector (8-pin)
Connect to a VTR with an 8-pin TV connector.

6 SPEAKER (USE 8 – 16Ω) L/R terminals
Connect to speakers with 8 to 16 ohms impedance.

7 AC OUT (120 V, 50/60 Hz, 100 W MAX) connector
This outlet provides AC power of 100 W max. **Only for a connected microcomputer.**

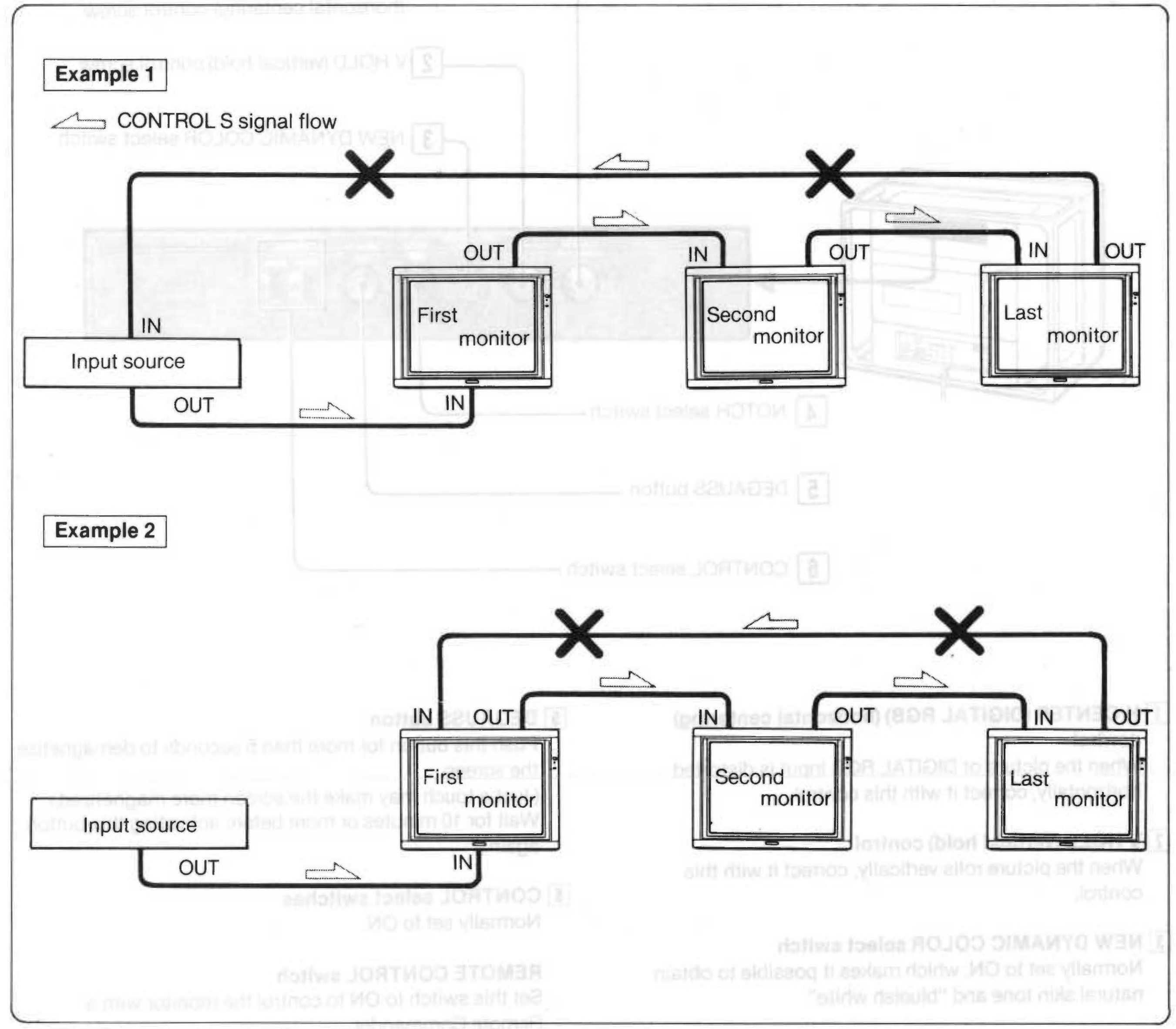
1-2. SYSTEM CONNECTIONS

CONNECTING A VTR

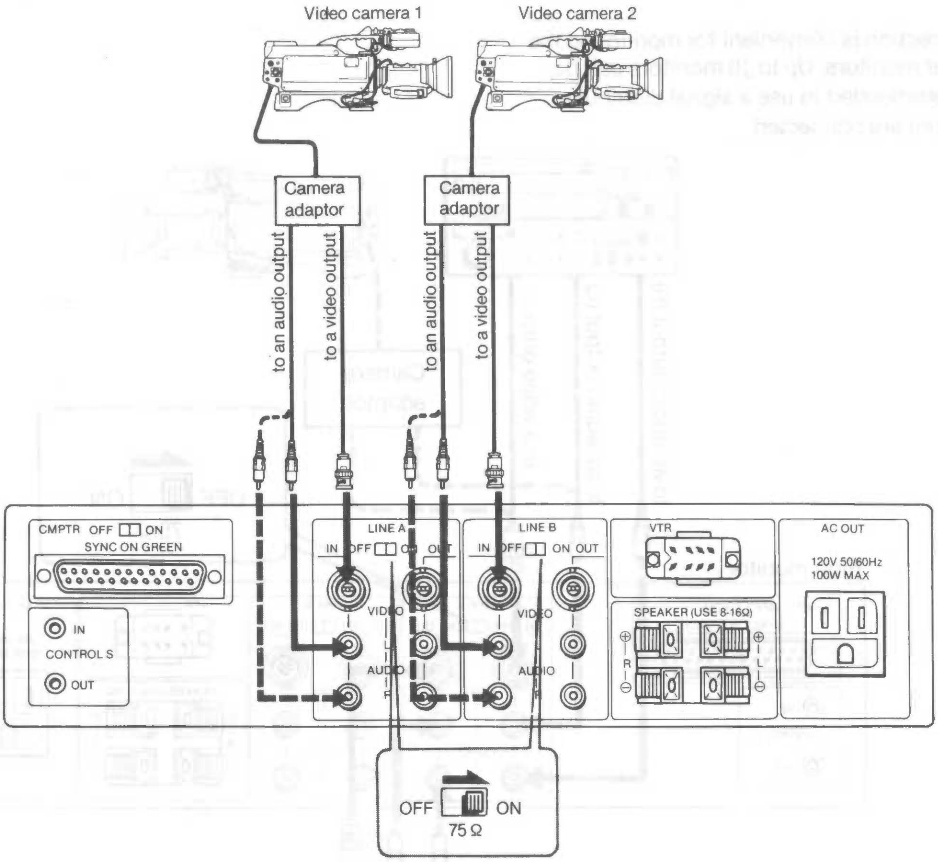


Note

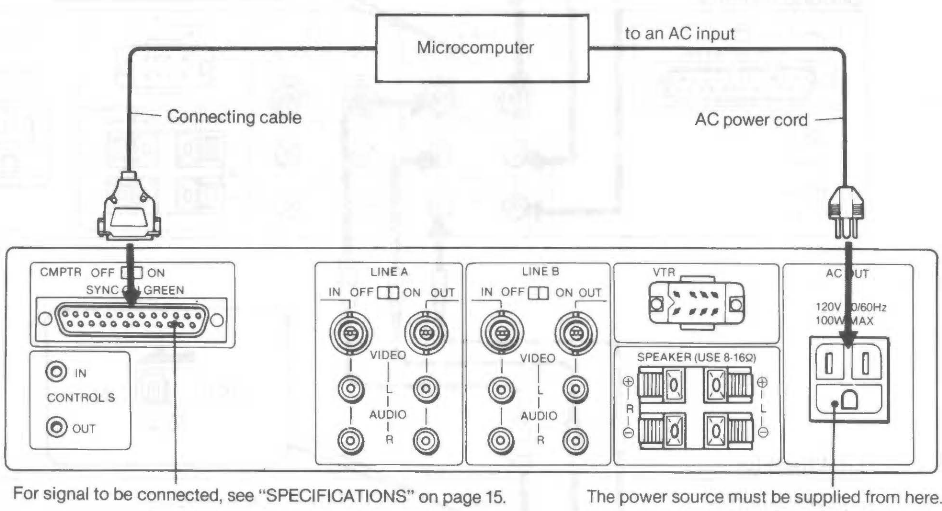
Do not use the following loop connections.



CONNECTING A VIDEO CAMERA



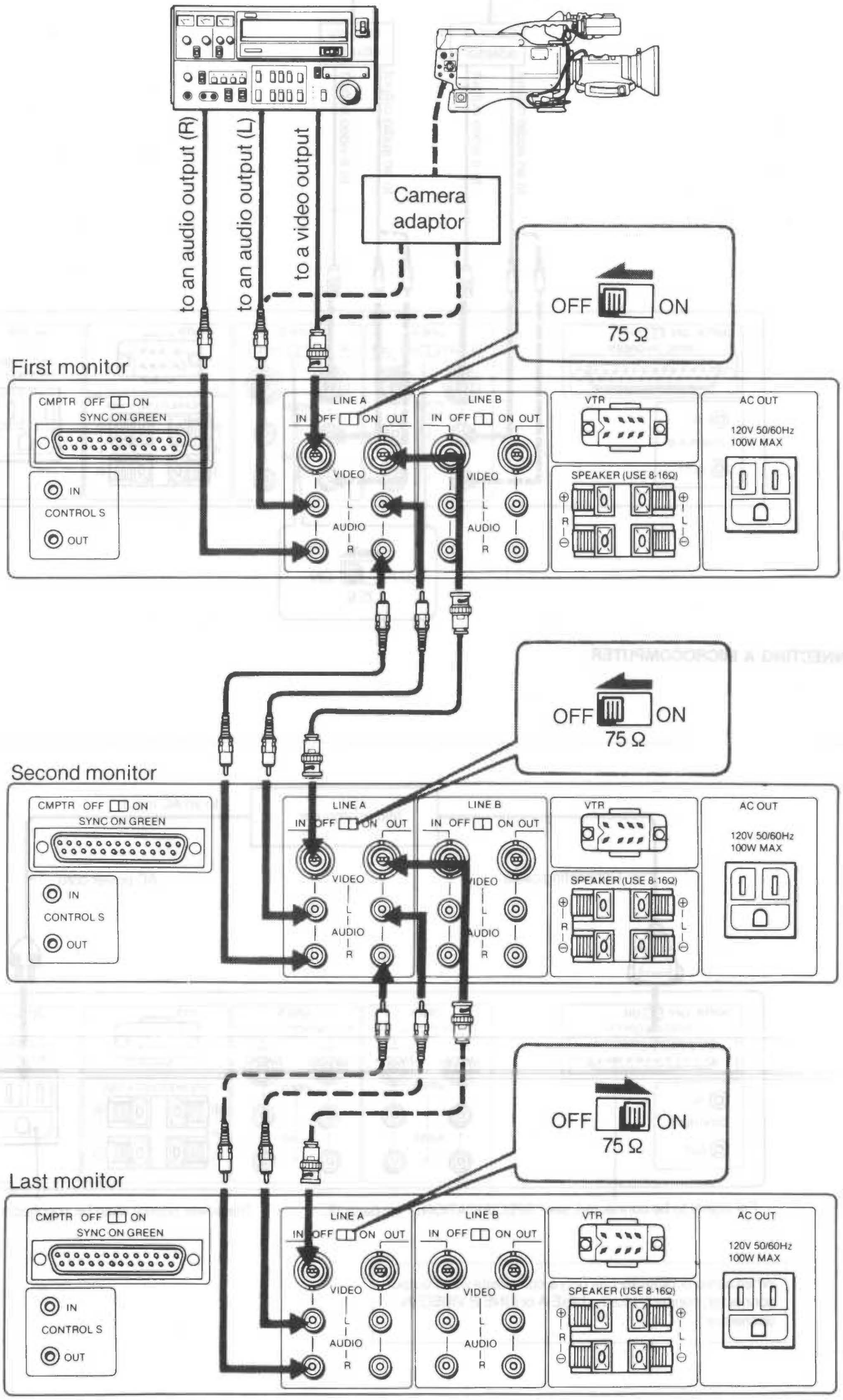
CONNECTING A MICROCOMPUTER



When a microcomputer has only a composite video output connector, connect it to the LINE A or LINE B VIDEO IN connector.

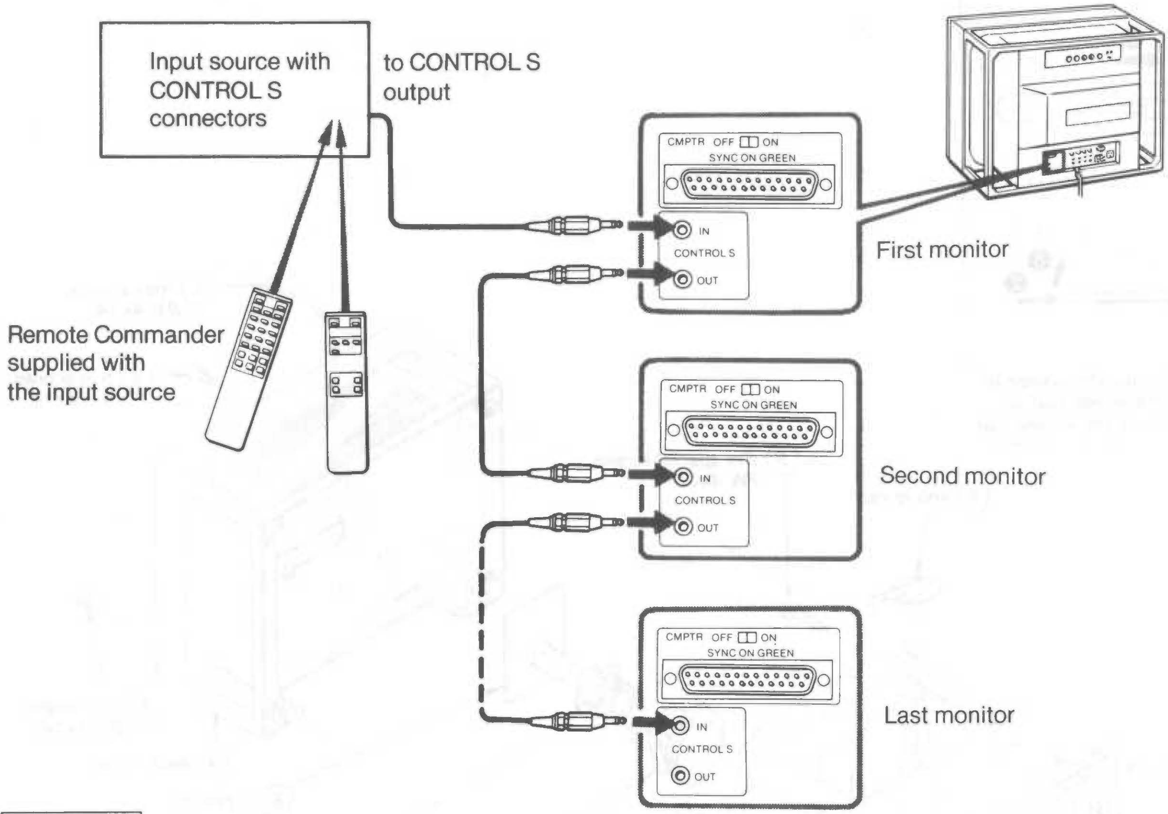
CONNECTING SEVERAL MONITORS

A loop-through connection is convenient for monitoring the same signal on other monitors. Up to 10 monitors can be connected. It is recommended to use a signal distributer when several monitors are connected.

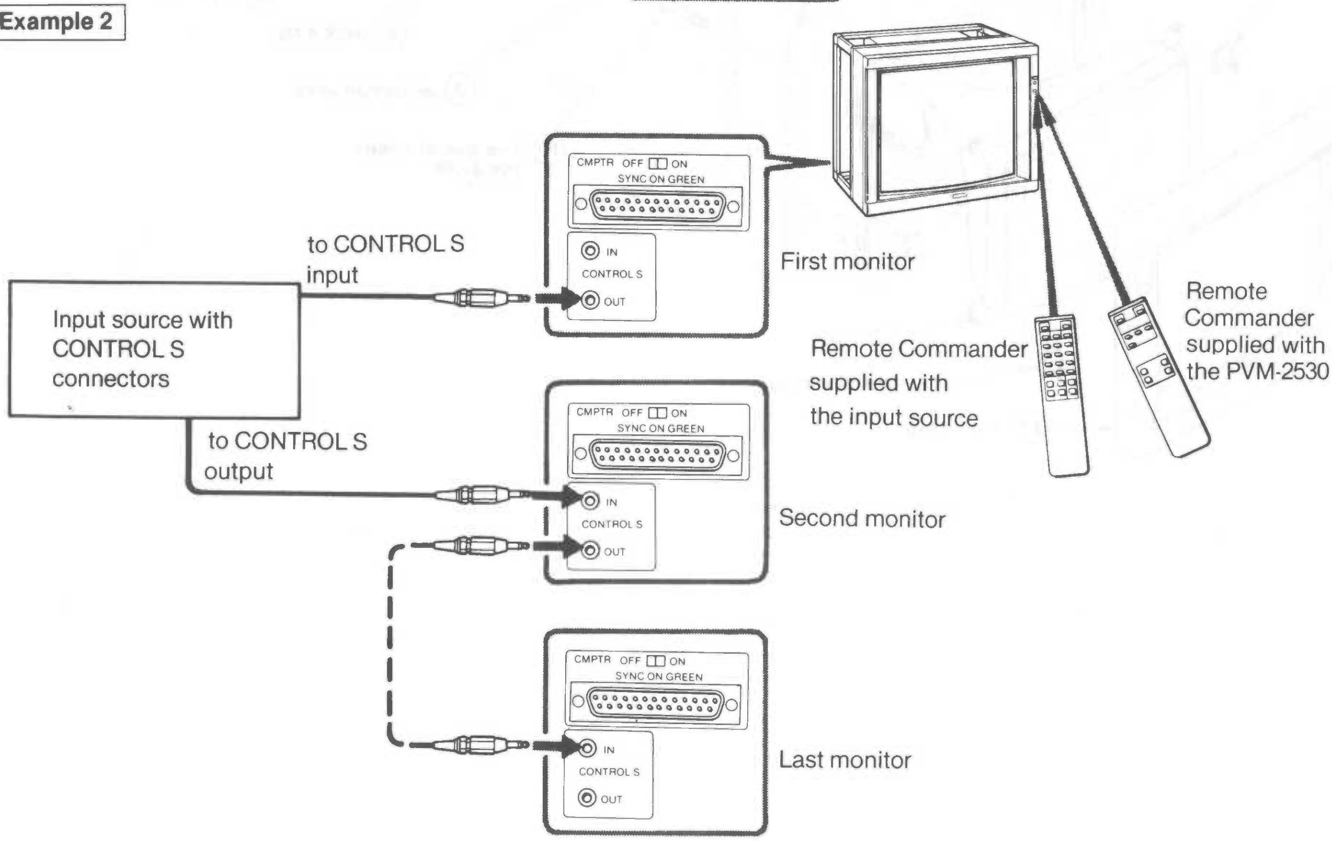


CONTROL S connection
The following connections allow remote control of several monitors and a VTR through a single monitor.

Example 1

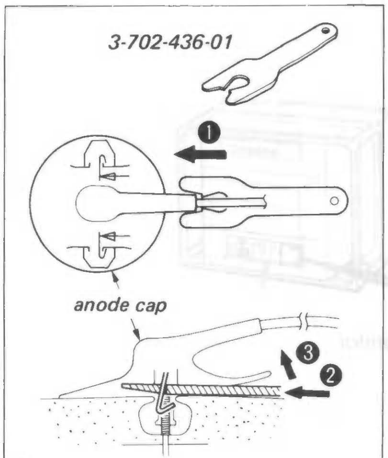


Example 2

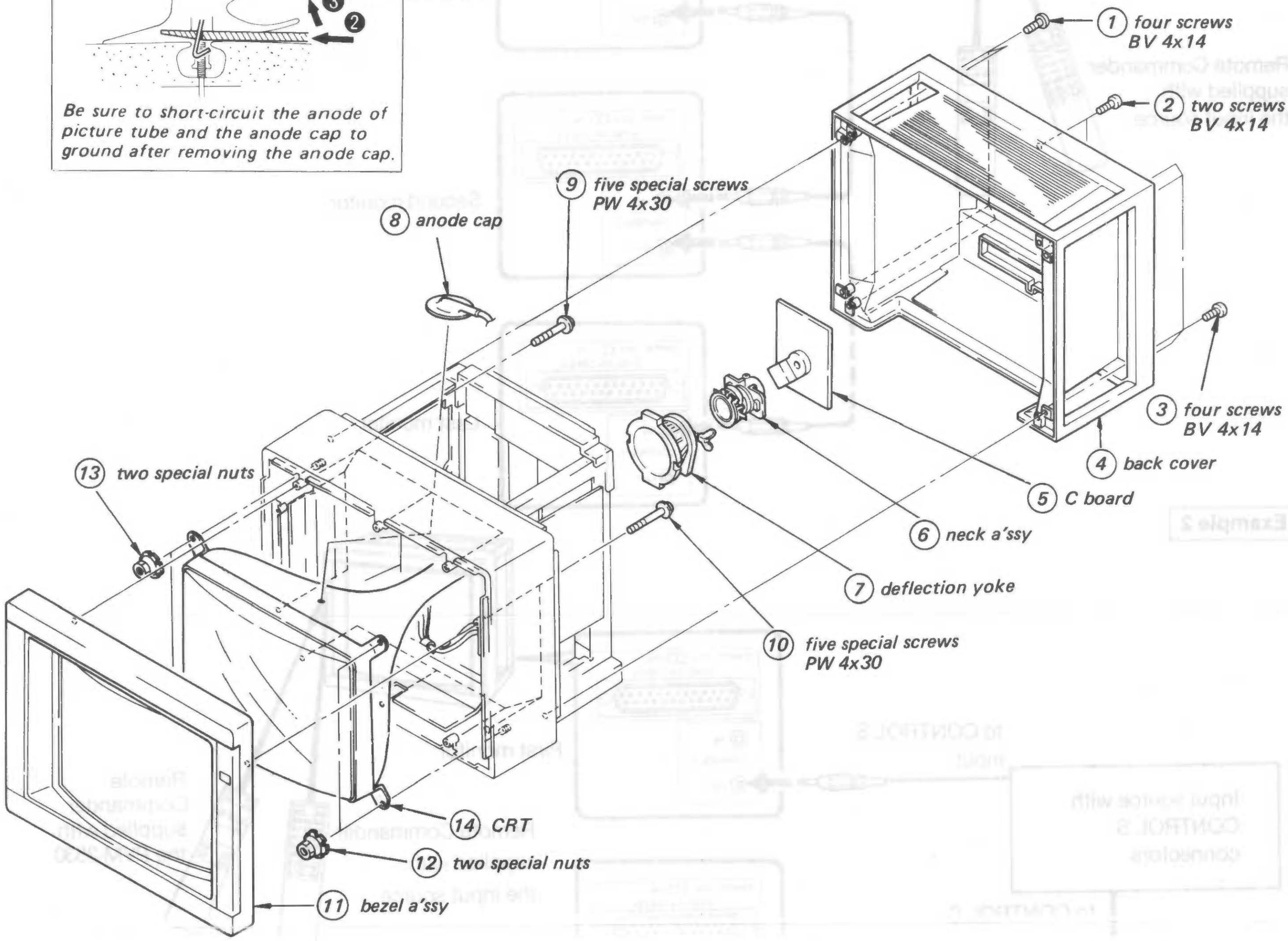


SECTION 2
DISASSEMBLY

2-1. PICTURE TUBE REMOVAL



Be sure to short-circuit the anode of picture tube and the anode cap to ground after removing the anode cap.



SECTION 3
SETUP ADJUSTMENTS

The following adjustments should be made when a complete realignment is required or a new picture tube is installed. These adjustments should be performed with rated power supply voltage unless otherwise noted.

Perform the adjustments in order as follows:

1. Beam Landing
2. Convergence
3. SCREEN and White Balance

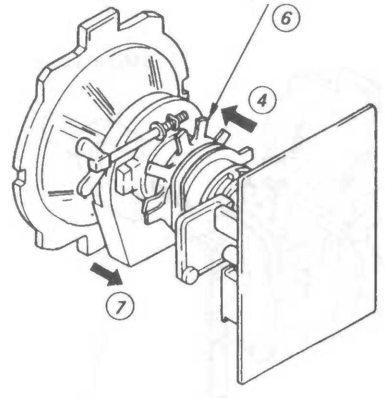
Note: Test Equipment Required.
1. Color-bar/Pattern Genertator
2. Degausser

3-1. BEAM LANDING

Preparation:

- Feed in the white pattern.
- Before starting, degauss the entire screen.

1. Loosen deflection yoke screw.
2. Position neck ass'y as shown in Fig. 3-1.
3. Adjust purity control as shown in Fig. 3-2.
4. Slide deflection yoke as far forward as it will go.
5. Turn the raster signal of the pattern generator to red.
6. Adjust purity control to center vertical red band as shown in Fig. 3-3.
7. Slide deflection yoke back for a uniform red screen.
8. Check green and blue rasters for uniformity by performing the same way as steps 5,6 and 7.
9. Tighten the deflection yoke screw.
10. Check if mislanding appears at corners a – d as shown in Fig. 3-4. If mislanding is observed, correct it as shown in Fig. 3-4.
11. Confirm that beam landing is correct when the receiver is faced in all directions.



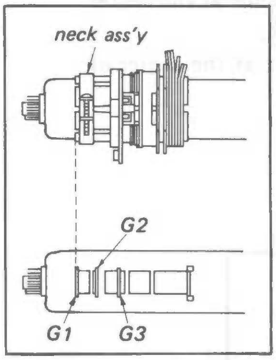


Fig. 3-1.

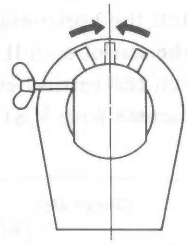


Fig. 3-2.

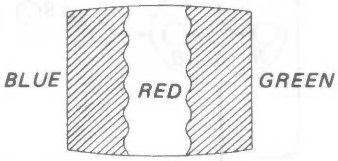


Fig. 3-3.

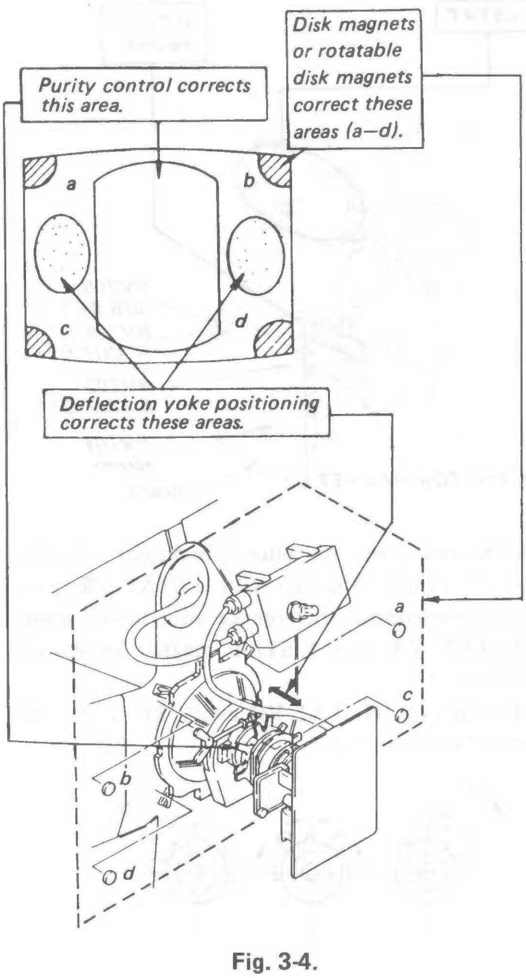


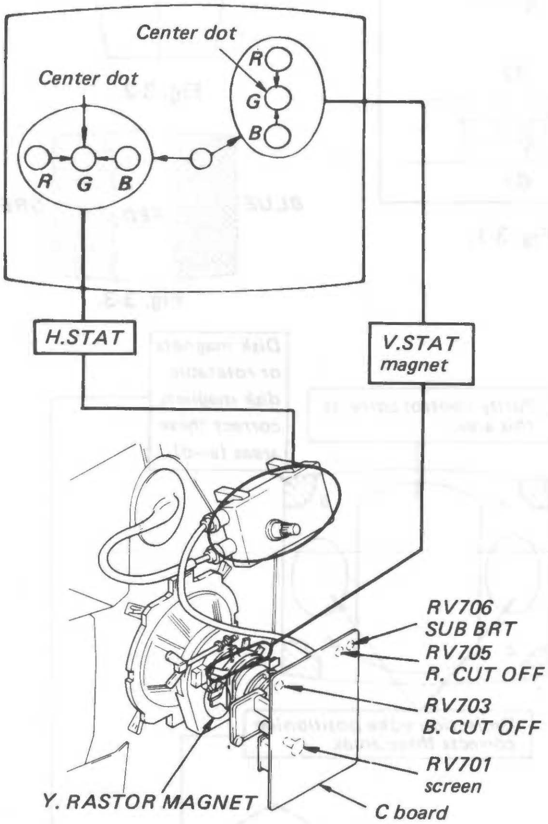
Fig. 3-4.

CONVERGENCE

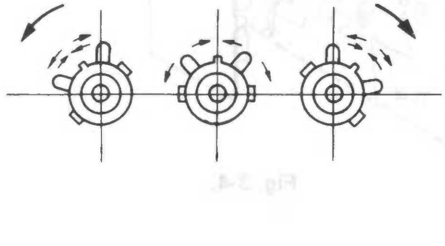
Preparation:

- PICTURE ⎤
- BRIGHTNESS ⎦ fully counterclockwise
- CORNER BOW (RV2504) ⎤
- H.TILT (RV2502) ⎥
- Y.BOW (RV2503) ⎥ D_2 board mechanical center
- H.AMP (RV2501) ⎥
- Y.CROSS (RV2505) ⎦
- Input a dots signal.

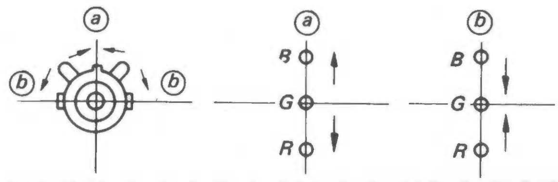
1. Match the horizontal convergence at the center of the screen with H.STAT VR.
2. Match the vertical convergence at the center of the screen with V.STAT Mg.

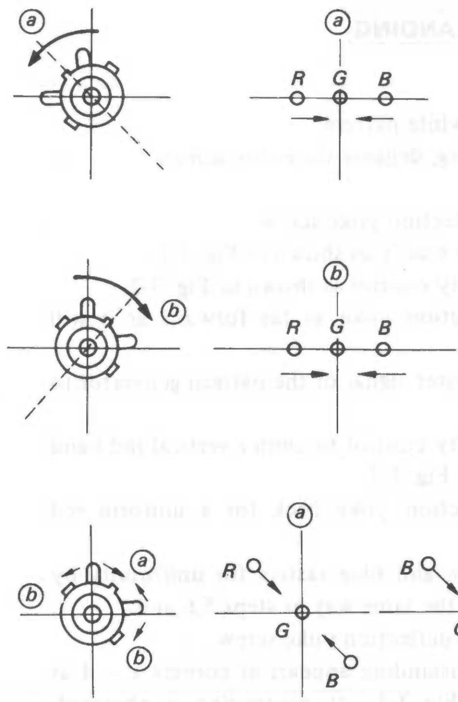


3. If the red, green and blue dots do not coincide on the center of screen with H.STAT VR, perform horizontal convergence adjustment using H.STAT VR and V.STAT magnet as shown below.
(In this case, H.STAT VR and V.STAT magnet effect each other.)

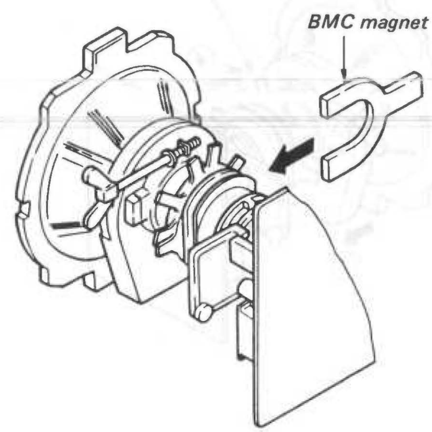


4. When the V.STAT magnet is moved in the direction of arrow a and b, Red, Green and Blue dots move as shown below.





If blue dot does not coincide with red and green dot, perform following steps.
Move BMC magnet (a) to correct insufficient H. static convergence.
In either case, repeat Beam Landing Adjustment.



DYNAMIC CONVERGENCE Adjustment

Preparation:

- Before starting, perform Horizontal and Vertical Static Convergence Adjustment.

1. Loosen deflection yoke screw.
2. Remove deflection yoke spacers.
3. Move the deflection yoke for best convergence.
4. Tighten the deflection yoke screw.
5. Install the deflection yoke spacers.
6. Adjust the Y.CROSS (RV2505) and Y. BOW (RV2503), so that RED and BLUE shown in Fig.-1 will become a=b=c.

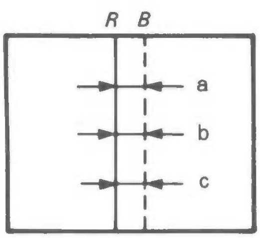


Fig. 1

7. Match the horizontal convergence at the center of the screen with H STAT VR.
8. Adjust the CORNER BOW(RV2504), so that RED and BLUE shown in Fig.-2 will become a=b=c and d=e=f.

   Note: At this point, if the relationship between a=c or d=f is not established, adjust the Y・CROSS (RV2505) again.

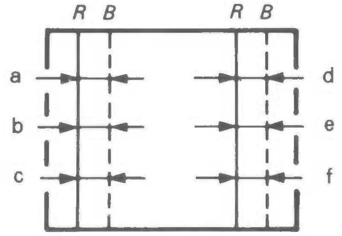


Fig. 2

9. Match the horizontal convergence at the center of the screen with the H STAT VR.
10. Adjust the H TILT (RV2502)so that the RED and BLUE shown in Fig.-3 will become a=b.

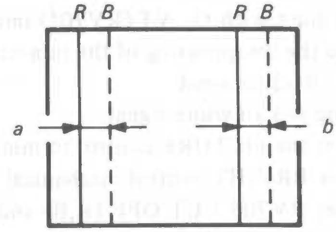


Fig. 3

11. Adjust the H AMP (RV2501) so that the RED and BLUE shown in Fig.-4 will become a=2b.

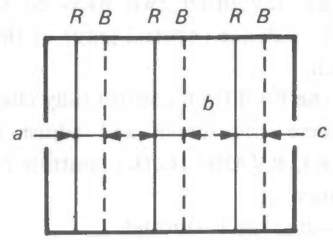
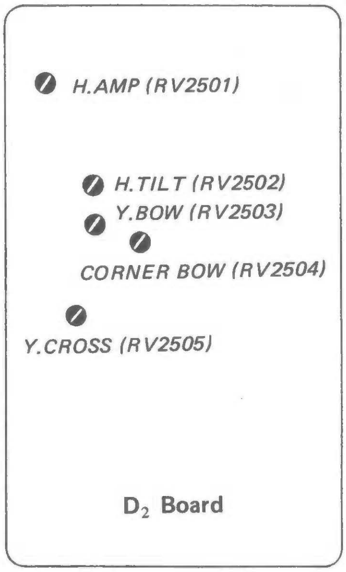


Fig. 4

12. Match the horizontal convergence at the center of the screen with the H STAT VR.
13. When the H AMP is adjusted repeat the procedures described in Steps 5 to 7.
14. If divergence of the convergence exists at the corner of the screen, the adjustments described in Steps after 3 should be repeated.



PRINTED BOARD
(Conductor Side)

WHITE BALANCE ADJUSTMENT

1) SCREEN (G_2) adjustment

1. Confirm that G_1 line voltage is 30±5 Vdc.
2. Adjust CUT OFF VR (R,B) so that R,B cathode voltage becomes 180 V DC.
   Adjust with G_2 VT (RV701) immediately prior to the disappearing of the luminscent line.

2) W/B adjustment

1. Input a all white signal.
2. Set the PICTURE control to minimum and turn the BRIGHT control mechanical center.
3. Set RV705 CUT OFF (R,B) and RV703 (CUT OFF) to minimum.
4. Turn RV701 (SUB BRT) slowly to obtain a faintly visible cross-hatch.
   Note the color that first becomes visible by turning RV701.
5. Adjust the other two BKG controls for best white balance (neutral gray) of the faint corss-hatch.
6. Set the PICTURE control fully clockwise.
   Observe the screen and adjust the RV3301 (B,IK), RV3302 (G,IK) controls for best white balance.
7. Repeat steps 1, through 7.

SECTION 4
SAFETY RELATED ADJUSTMENT

HOLD DOWN ADJUSTMENT (R597)

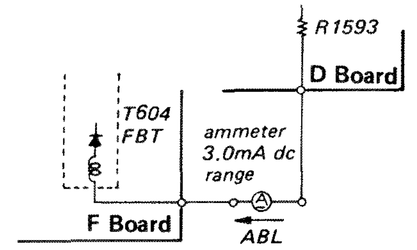
Be sure to perform the following adjustment after replacing the parts below. (Marked on the schematic diagram).

C1509, IC1501, IC1503, D520, D521, D522, D1540, Q522, Q523, R593, R594, R595, R596, R597, R598, R599, R1350, R1518, R1519, R1520, R1521, R1522, R1523, R1525, R1590, R1592, R1593, R1594, R1595, R1597, R1598,

1. Turn the POWER switch ON, and receive entirely white signals and set the PICTURE and BRIGHTNESS control to maximam.
2. Confirm that the voltage of the TP85 is more than 8.7V DC when the set is operating normally with 120V AC supply.
3. Adjust ABL current to 1600 ± 30 μA with PICTURE and BRIGHTNESS.
4. Confirm that there is less than 10.50V DC where by the raster disappears during operation of hold-down circuit. (HOLD DOWN check point of TP85)
5. Adjust ABL current to 290 ± 5 μA with PICTURE and BRIGHTNESS.
6. Confirm that there is less than 11.00V DC where by the raster disappears during operation of hold-down circuit. (HOLD DOWN check point of TP85)

Note: If the hold-down circuit starts operating in the above case, switch OFF the POWER of the set immediately.

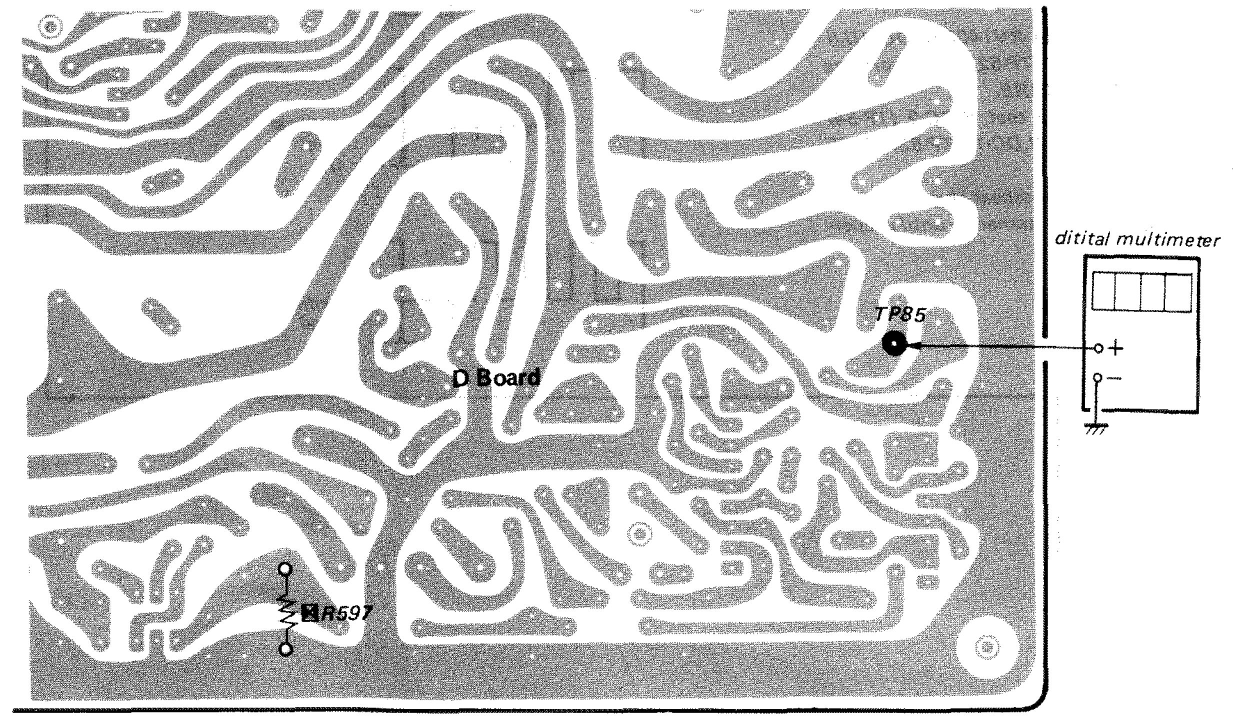
7. If above steps is not satisfied, select resistance value of R597 and repeat above steps 1 through 6.



CHECKING AFTER H.V.R REPLACEMENT

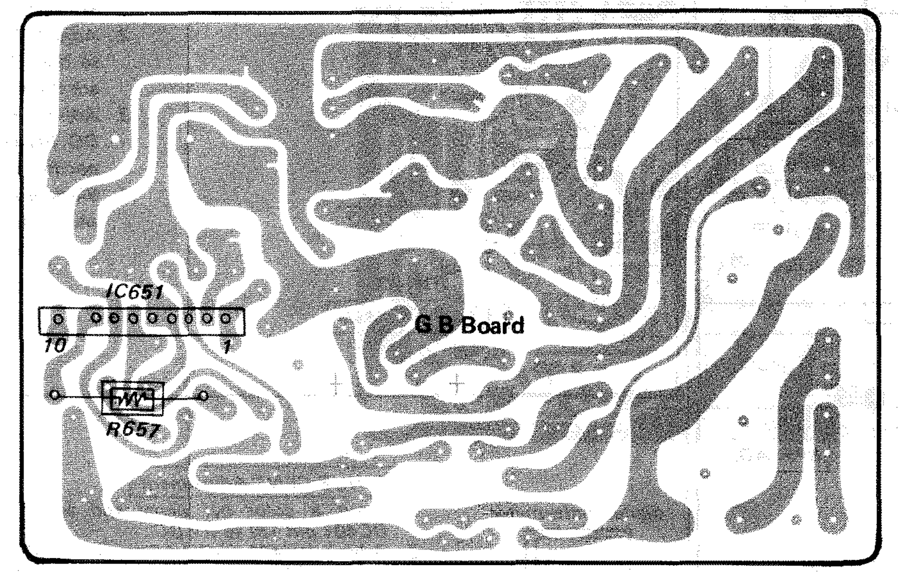
After replacing H.V.R * confirm that there is more than 8.70V DC on TP85. (HOLD DOWN check point)

* This check is to be performed when H.V.R only is replaced, and has no relation to the H.V hold-down circuit readjustment for replacement of parts marked



CHECK AFTER IC651 and R657 REPLACEMENT

1. Supply 130^{+3}_{-0}V AC to with variable auto-transformer.
2. Input a entirely white signal.
3. Turn the CONTROL switch OFF.
   Set the PICTURE and BRIGHTNESS control to maximam.
4. Confirm the voltage on digital multimeter is less than 141.5V DC (+B LINE).
5. If step 4 is not satisfied, replace IC651 and R657 repeat above steps.



SECTION 5
CIRCUIT ADJUSTMENTS

5-1. D BOARD ADJUSTMENTS

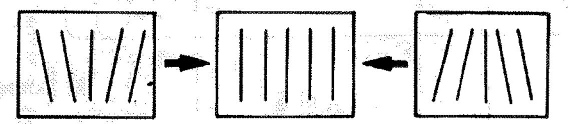
Horizontal Position Adjustment

1. Check that H center moves to the right and left with horizontal position VR (RV1503), then adjust horizontal position to center.

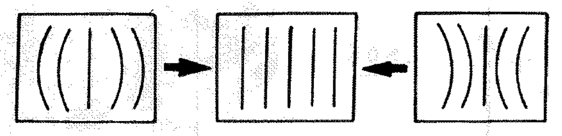
Picture Distortion Adjustment

1. Picture distortion adjustment
   Input a signal equivalent to a crosshatch signal.

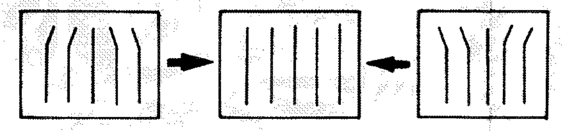
• PIN PHASE (RV508)



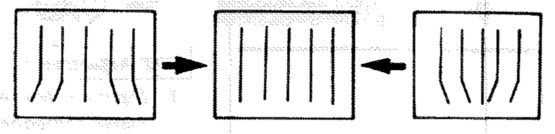
• PIN AMP (RV507)



• PIN OUT (RV505)



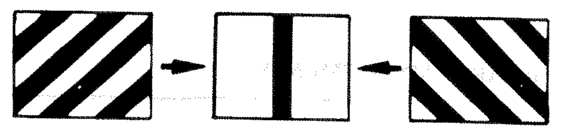
• B.PIN (RV506)



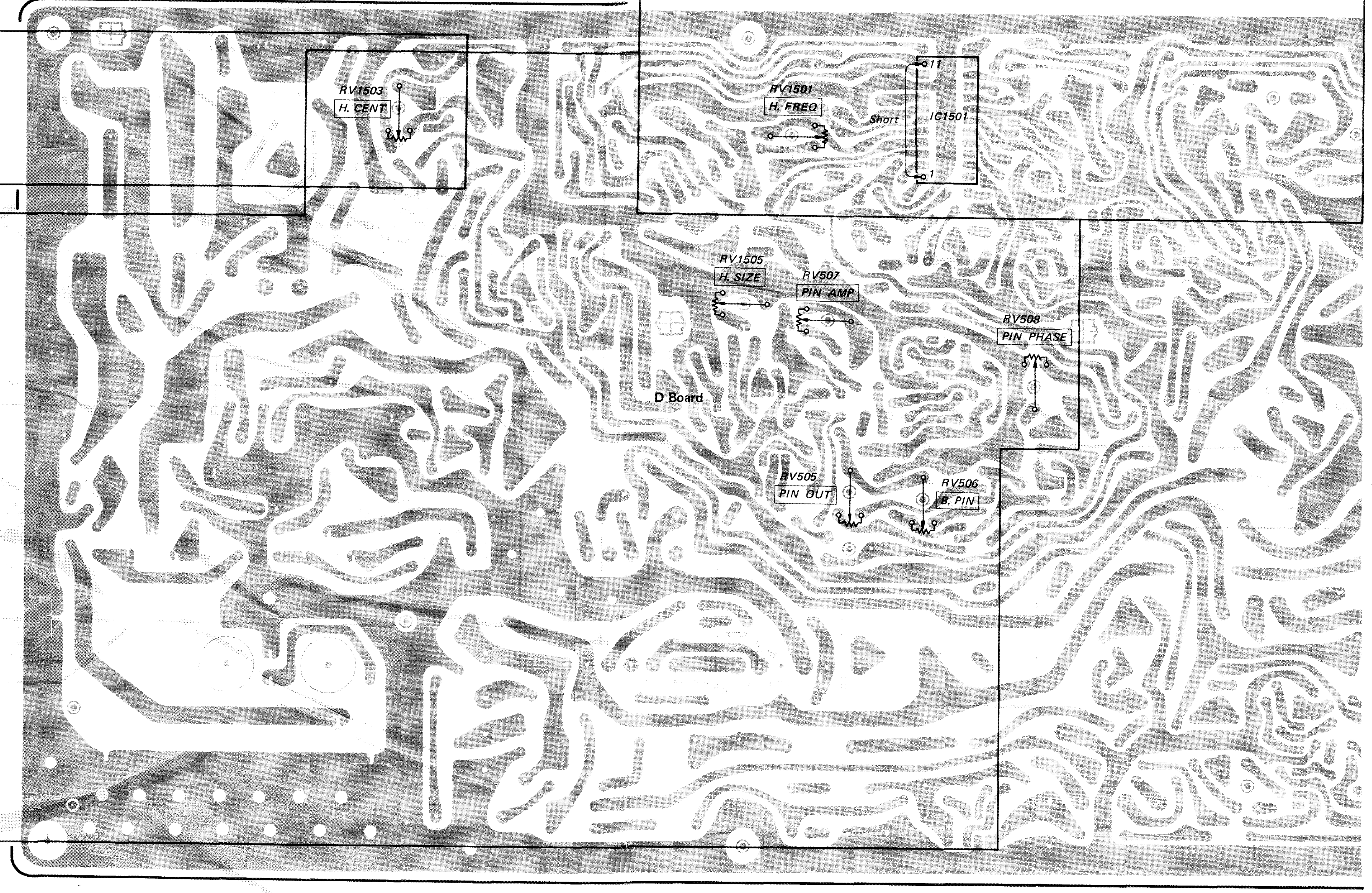
2. Adjust RV1505 (H.SIZE) so that H.SIZE is bes
3. Adjust RV1503 (H.CENT) so that horizontal psition is center.

H.FREQ Adjustment

1. Input a color bar signal and short between IC1501 pins (1) and (11).
   Also short B board IC401 pins (35) and (36).
2. Adjust H.FREQ VR (RV1501) so that picture flow is as shown in Figure.
3. After adjustment, remove the connections in step (1).



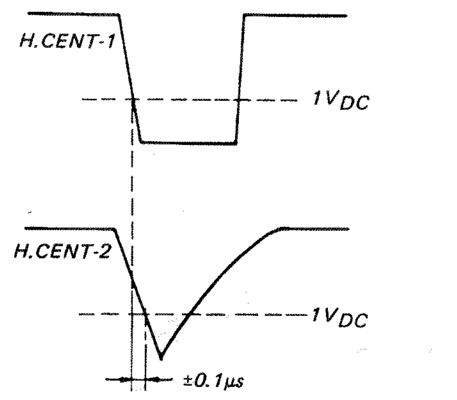
fo low fo correct (fo=15.734Hz) fo high

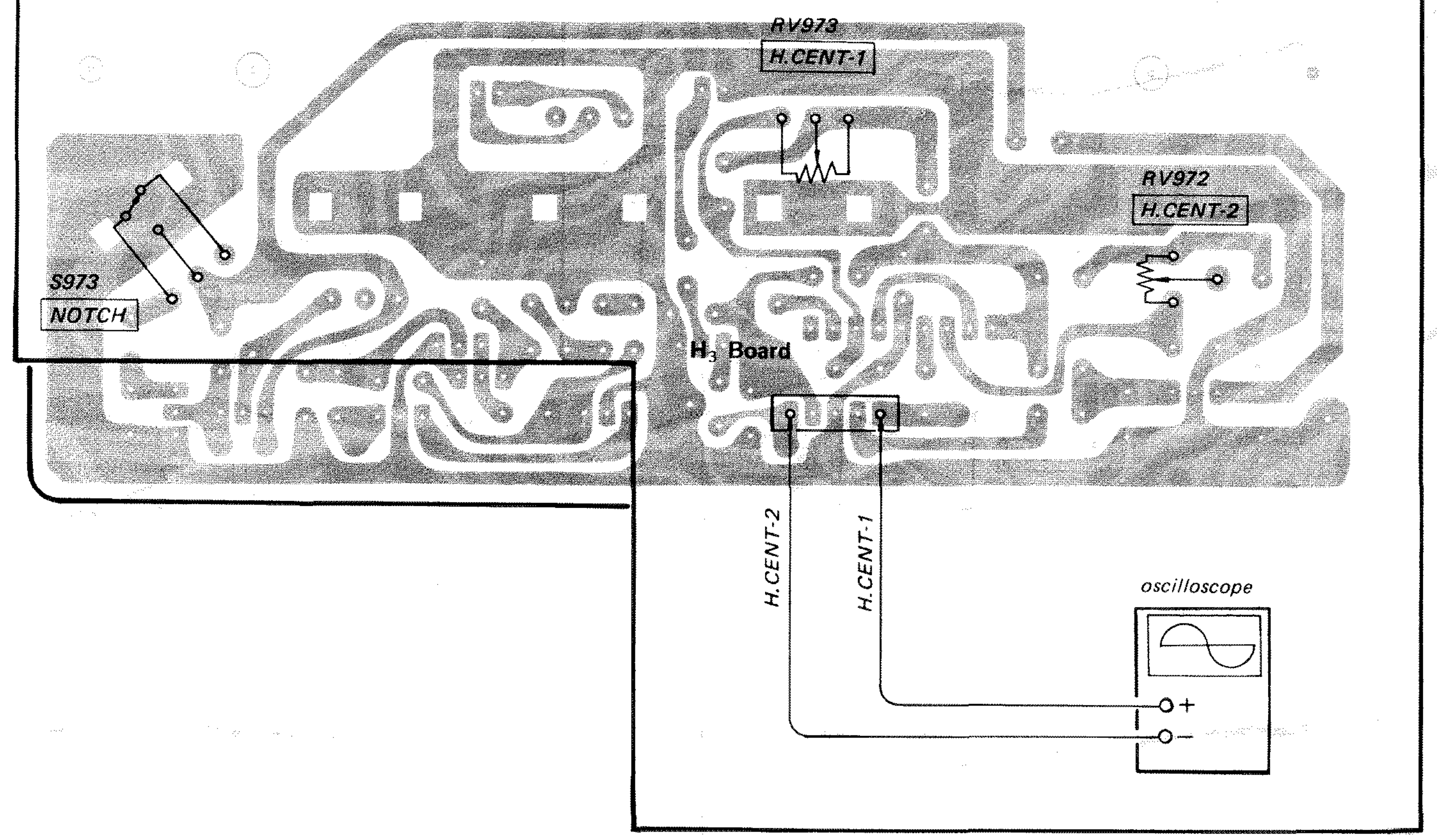


5-2. H3 BOARD ADJUSTMENTS

H. center Adjustment (DIGITAL R,G,B)

1. Connect to the digital R,G,B output connector of a microcomputer.
2. Press to select the R,G,B mode.
3. Turn the H.CENT VR (REAR CONTROL PANEL) to center position.
4. Connect the oscilloscope to (4) pin H-3 connector and (1) pin H-3 connector.
5. Adjust RV972 (H.CENT-2) so that the phase difference level is ±0.1 μs.



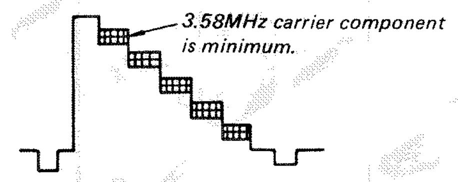


5-3. B1 BOARD ADJUSTMENTS

Y Chroma Adjustment

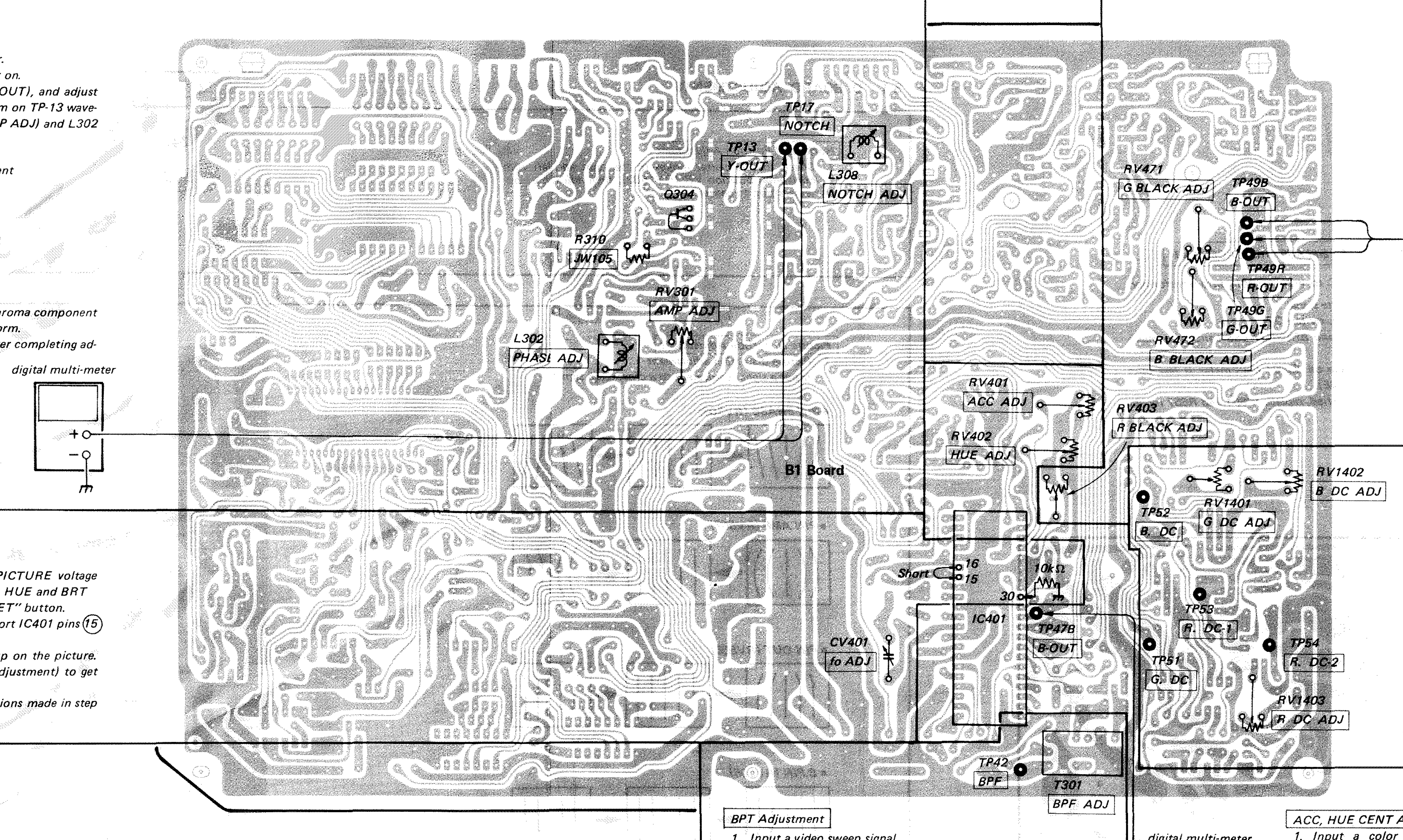
(Comb Filter Adjustment)

1. Short R310 (JW105) and Q304 emitter.
2. Input a color bar signal and turn power on.
3. Connect an oscilloscope to TP13 (Y-OUT), and adjust so that chroma component is minimum on TP-13 waveform while tracking with RV301 (AMP ADJ) and L302 (PHASE ADJ).



(Notch Adjustment)

4. Short both sides of L302.
5. Adjust L308 (NOTCH ADJ) so that chroma component is minimum for TP17 (NOTCH) waveform.
6. Remove the shorts in steps 1 and 4 after completing adjustment.



CW Oscillator to Adjustment

1. Input a color bar signal.
2. With user control PICTURE, adjust PICTURE voltage (C124 pin) to 10.5V, and set COLOR, HUE and BRT to standard state by pushing the "RESET" button.
3. Ground IC401 pin (30) via 10kΩ and short IC401 pins (15) and (16).
4. Confirm that color sync is not lined up on the picture.
5. Turn trimmer capacitor CV401 (to adjustment) to get color sync.
6. After adjustment, remove the connections made in step 3.

BPT Adjustment

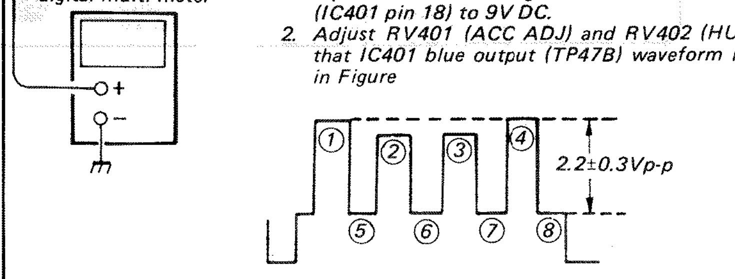
1. Input a video sweep signal.
   Signal component: 0.5Vp-p: 75 Ω terminated.
2. Turn T301 (BPF ADJ) cores so that BPF output (TP42) is the waveform shown in Figure .

(Adjustment Procedure)

(1) Turn the orange core so that 3.58MHz and 4.08MHz are the same level.
(2) Turn the green core so that 3.08MHz is −0.5 ~ −1.0 dB from 3.58MHz.
(3) Repeat steps (1) and (2) several times to adjust to the waveform in Figure .

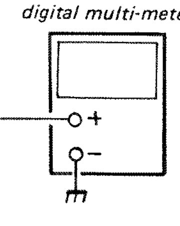
ACC, HUE CENT Adjustment

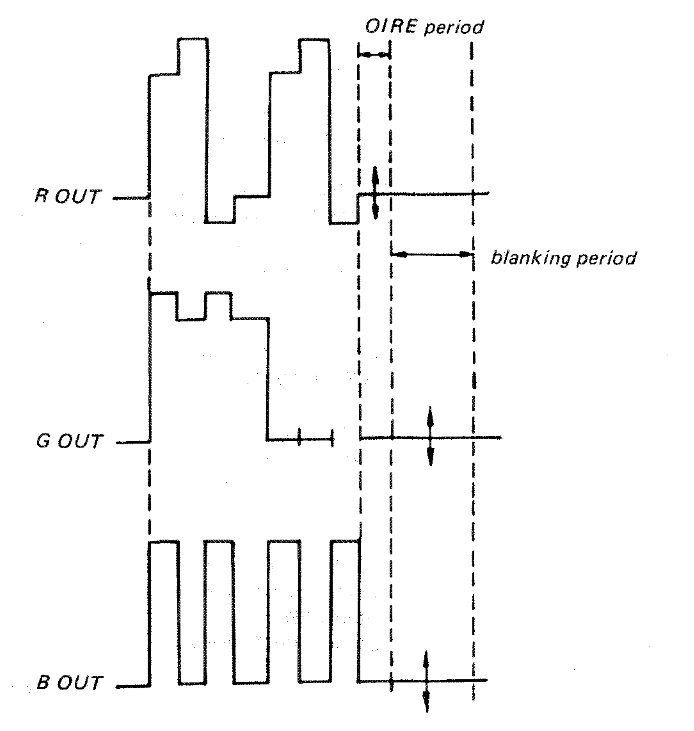
1. Input a color bar signal and set PICTURE voltage (IC401 pin 18) to 9V DC.
2. Adjust RV401 (ACC ADJ) and RV402 (HUE ADJ) so that IC401 blue output (TP47B) waveform is as shown in Figure



Black Level Adjustment

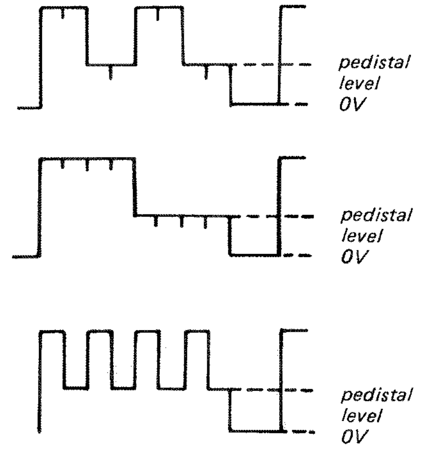
1. Input a color bar signal and turn the dynamic color switch on the rear of the set off.
2. Adjust blanking period voltage by adjusting RV403 (R BLACK ADJ) so that TP49R (R-OUT) OIRE portion voltage is the same as blanking period voltage.
3. Next adjust TP49G (G-OUT) blanking period voltage and TP49B (B-OUT) blanking period voltage with RV471 (G BLACK ADJ) and RV472 (B BLACK ADJ) respectively.





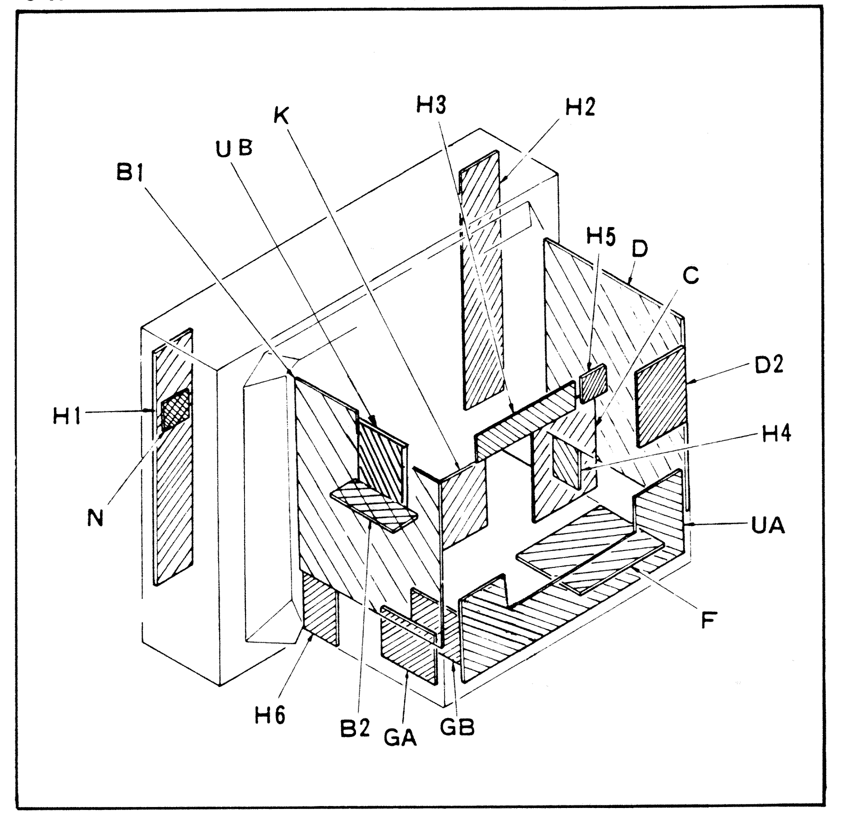
Dynamic Color Adjustment

1. Input a color bar signal and set PICTURE to minimum. Press "RESET" to set COLOR, HUE and BRT to standard state.
2. Adjust RV1401 (G DC ADJ) and RV1402 (B DC ADJ) so that G.DC (TP-51) and B.DC (TP-52) OIRE portions are the same as R.DC-1 (TP-53) OIRE.
3. Adjust RV1403 (R DC ADJ) so that R.DC-2 (TP-54) DC (dynamic color) level and R.DC-1 (TP-53) OIRE portion are the same.
4. Black level changes in step 3., so repeat the black level and dynamic color adjustments alternately until properly adjusted.


SECTION 6 DIAGRAMS

6-1. CIRCUIT BOARDS LOCATION



6-2. BLOCK DIAGRAMS



Note: The components identified by shading and mark ⚠ are critical for safety. Replace only with part number specified.

Note: Les composants identifiés par une trame et par une marque ⚠ sont d'une importance critique pour la sécurité. Ne les remplacer que par des pièces de numéro spécifié.


Note:

- All capacitors are in μF unless otherwise noted. p: μμF 50WV or less are not indicated except for electrolytics.
- All resistors are in ohms, 1/6W unless otherwise noted. k: 1000Ω, M: 100kΩ.
- [symbol] : nonflammable resitor.
- All variable and adjustable resistors have characteristicc curve B, unless otherwise noted.
- [symbol] : fusible resistor.
- △ : internal component.
- [ ] : panel designation.
- The components indentified by ⊠ in this manual have been carefully factory-selected for each set in order to satisfy regulations regarding X-ray radiation. Should replacement be required, replace only with the value originally used.
- When replacing components identified by ◪ mark the necessary adjustments indicated. If results do not meet the specified value, change the component identified by ⊠ and repeat the adjustment until the specified value is achieved. (Refer to R597 adjustment on page 19, 20).
  When replacing the part in below table, be sure to perform the related adjustment.

Part replaced (◪)	Adjustment (⊠)
C1509, IC1501, IC1503, D520, D521, D522, D1540, Q522, Q523, R593, R594, R595, R596, R597, R598, R599, R1350, R1518, R1519, R1520, R1521, R1522, R1523, R1525, R1590, R1592, R1593, R1594, R1595, R1597, R1598,	R597

- Voltages are dc with respect to ground unless otherwise noted.
- Readings are taken with a 10MΩ digital multimeter.
- Voltage variations my be noted due to normal production tolerances.
- [ ] : adjustment to repair.
- Readings are taken with a color-bar-signal input.
- no mark: with NTSC(3.58MHz) color-bar signal received.
  ( ) : with DIGITAL color-bar signal received.
- Circled numbers refer to waveforms.

6-3. SCHEMATIC DIAGRAMS (1)



CAUTION

When replacing R657, be sure to check the test point voltage value (+B LINE). Refer to the safety Adjustment Section.

CAUTION

When replacing IC651 be sure to check the test point voltage value (+B LINE). Refer to the Safety Adjustments Section.

CAUTION

This set is equipped with a polarized ac power cord plug (one blade of the plug is wider than the other). When replacing the ac power cord, be sure to connect it with specified part number referring to Service Manual.

6-4. PRINTED WIRING BOARDS (1)

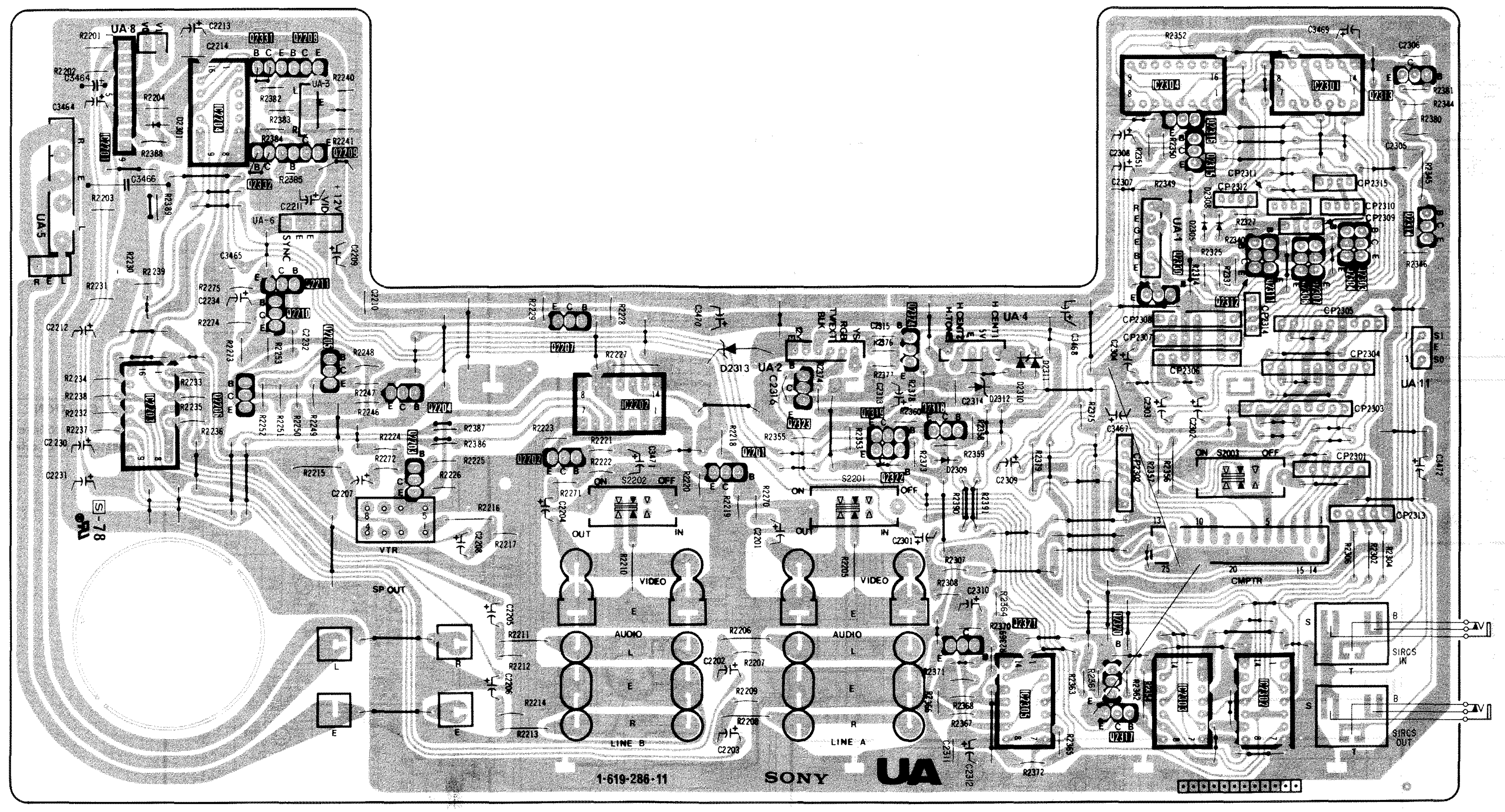
[AUDIO/VIDEO SW, SYNC PROCESS, TTL LOGIC] **UA**

[CONVERT OUT] **GA** [RECT] **GB**

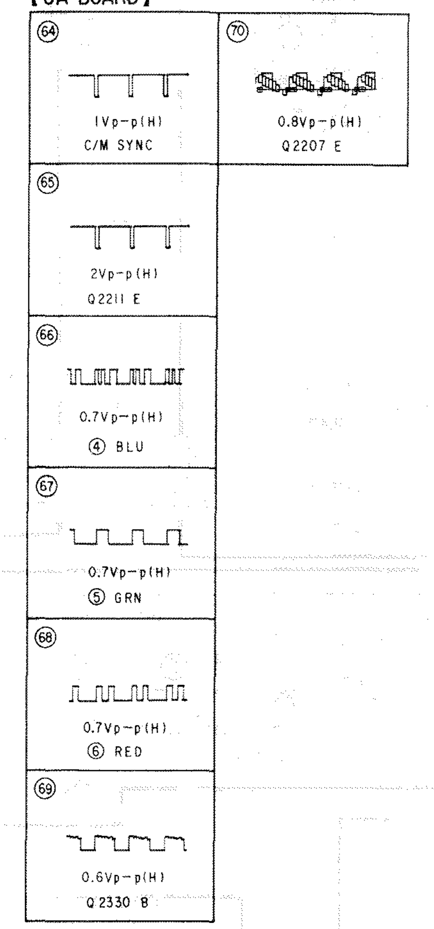
[AUDIO OUT CONTROL] **K**

[AWB CONT ABL, BLK SW] **UB** [POWER SUPPLY] **F**

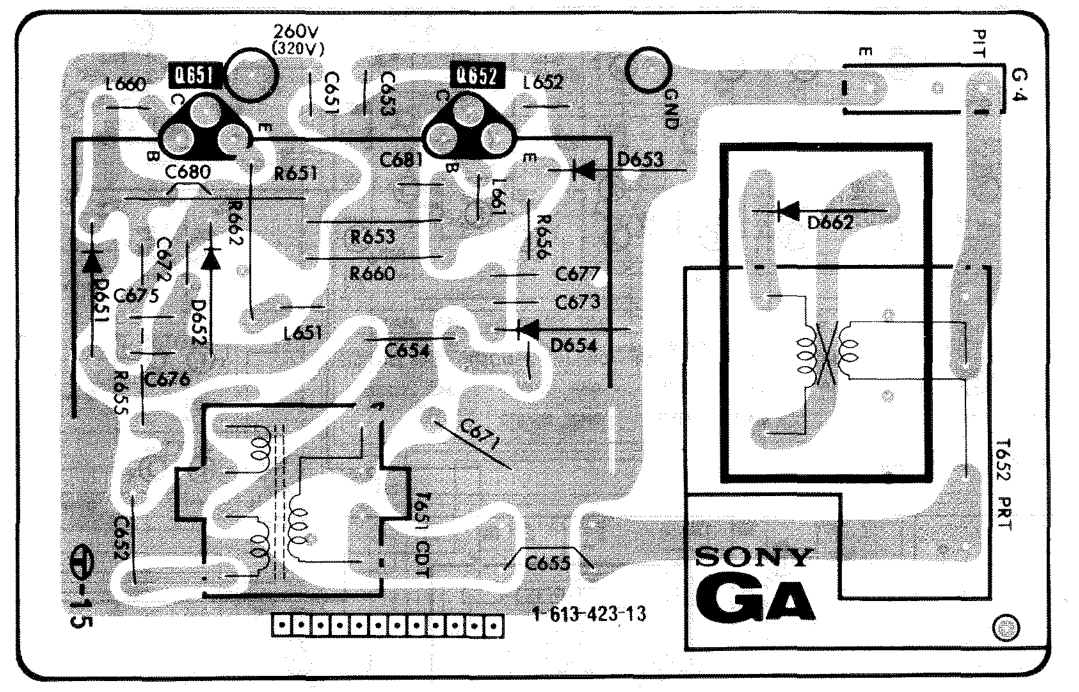
– UA Board –



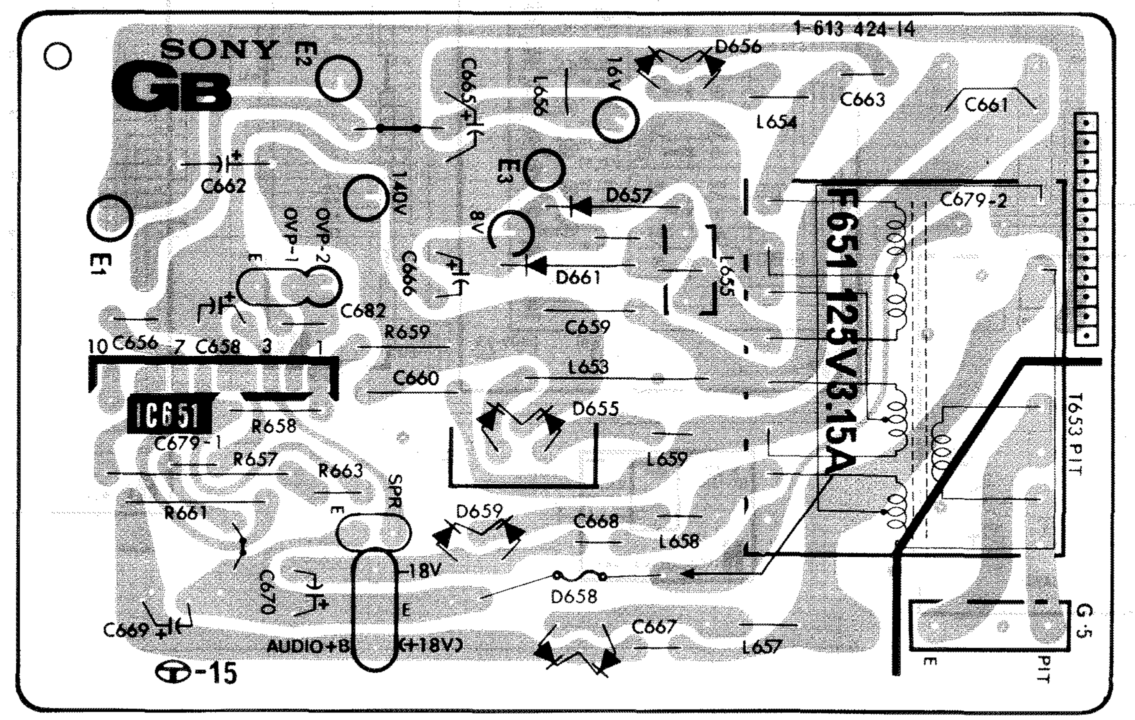
[UA BOARD]



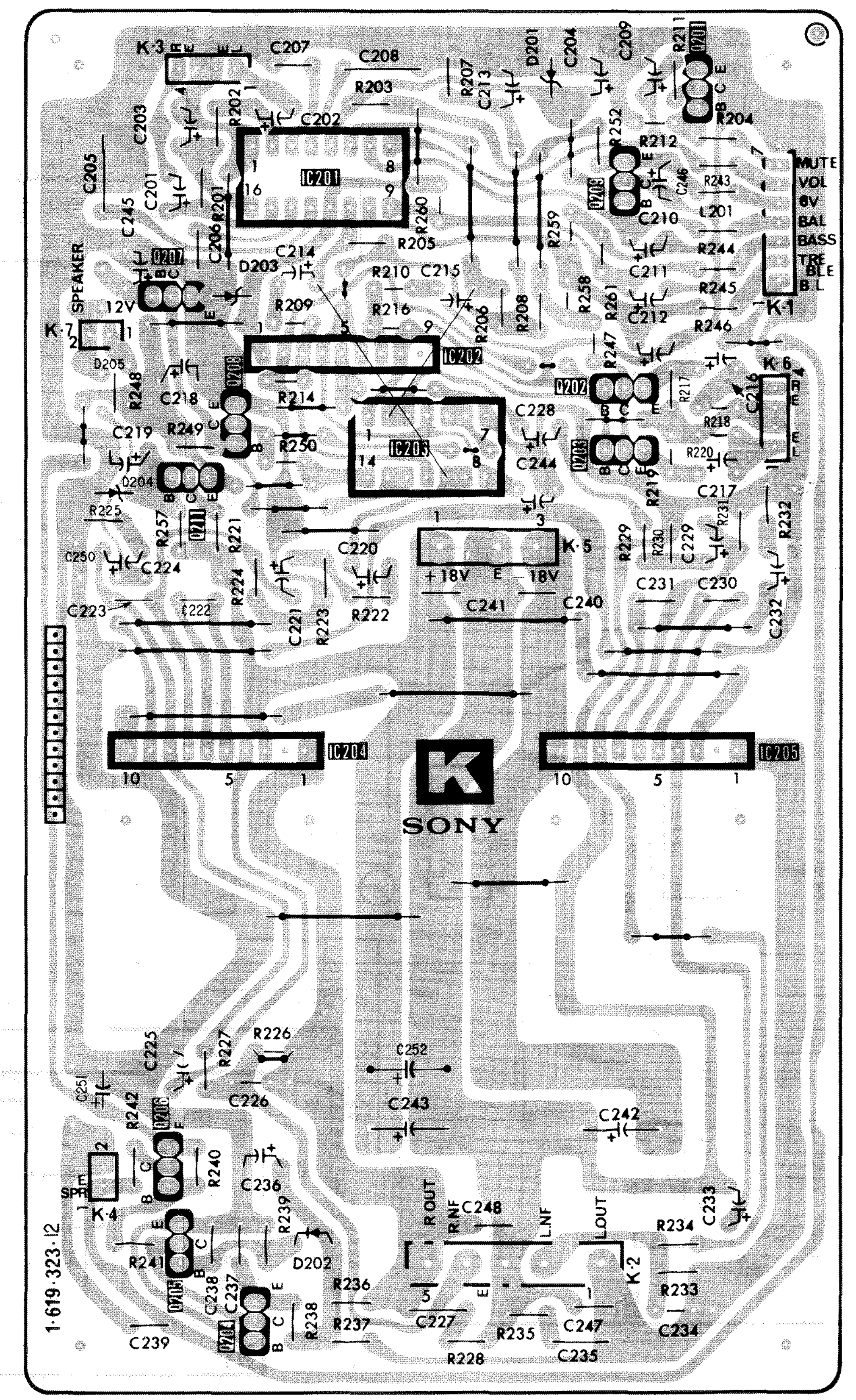
– GA Board –



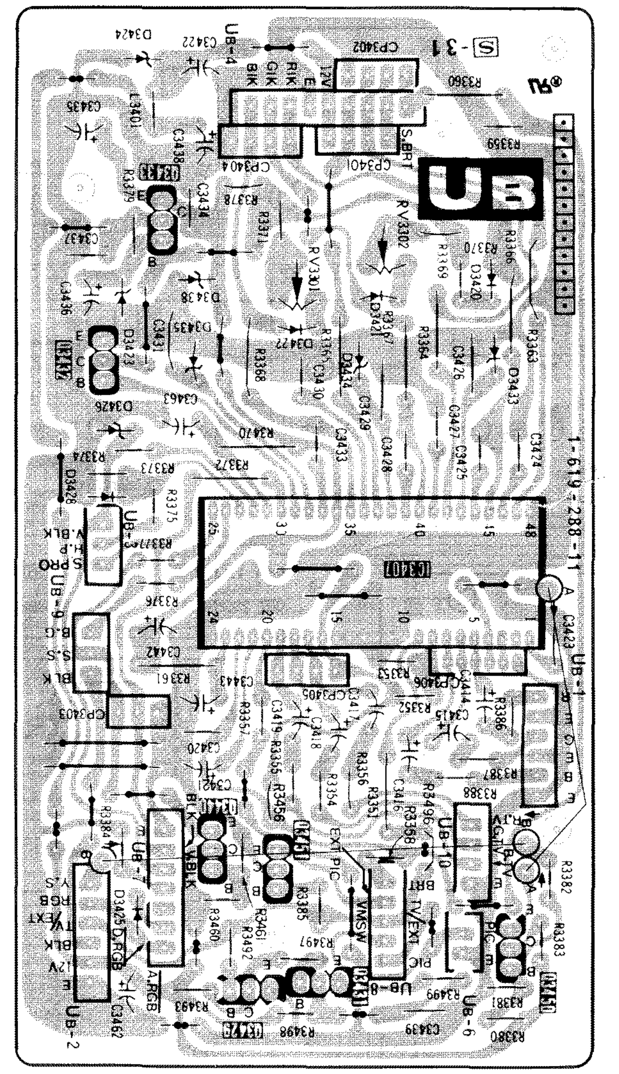
– G B Board –



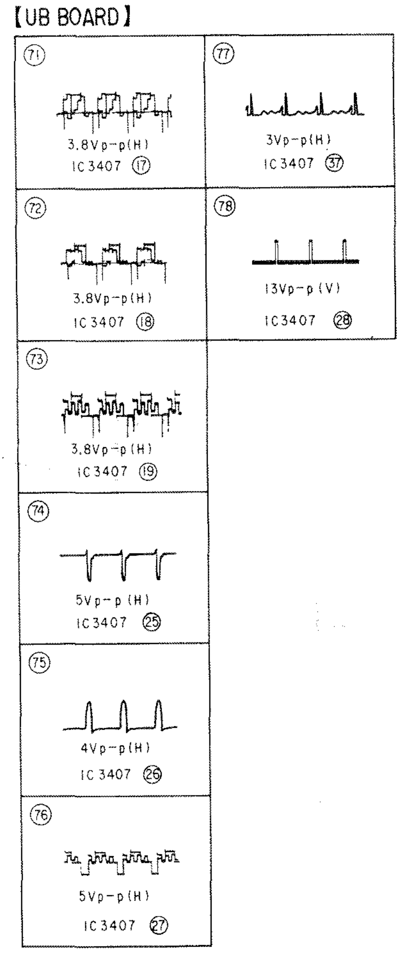
– K Board –



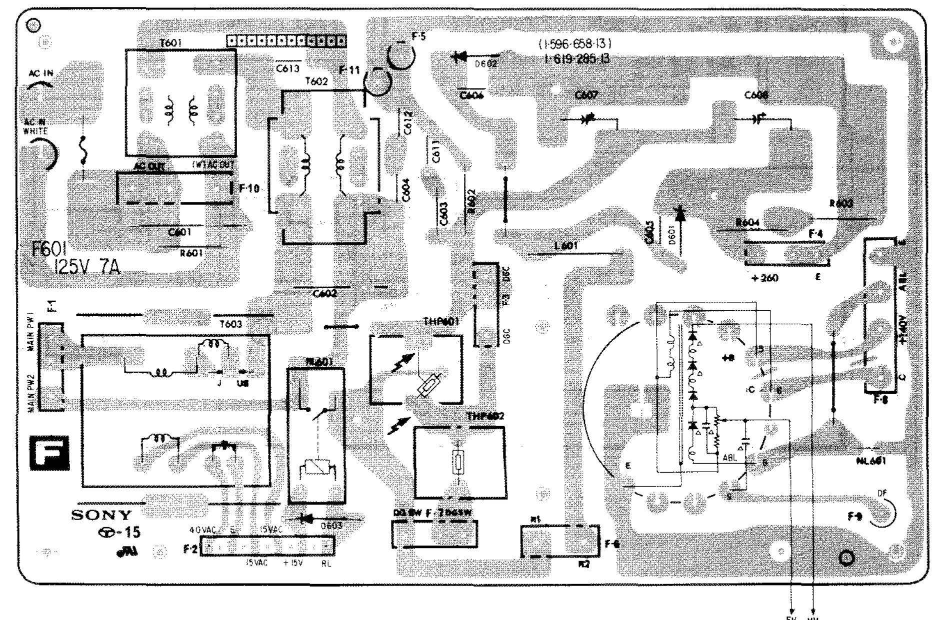
– U B Board –




[UB BOARD]



– F Board –



6-5. SCHEMATIC DIAGRAMS (2)

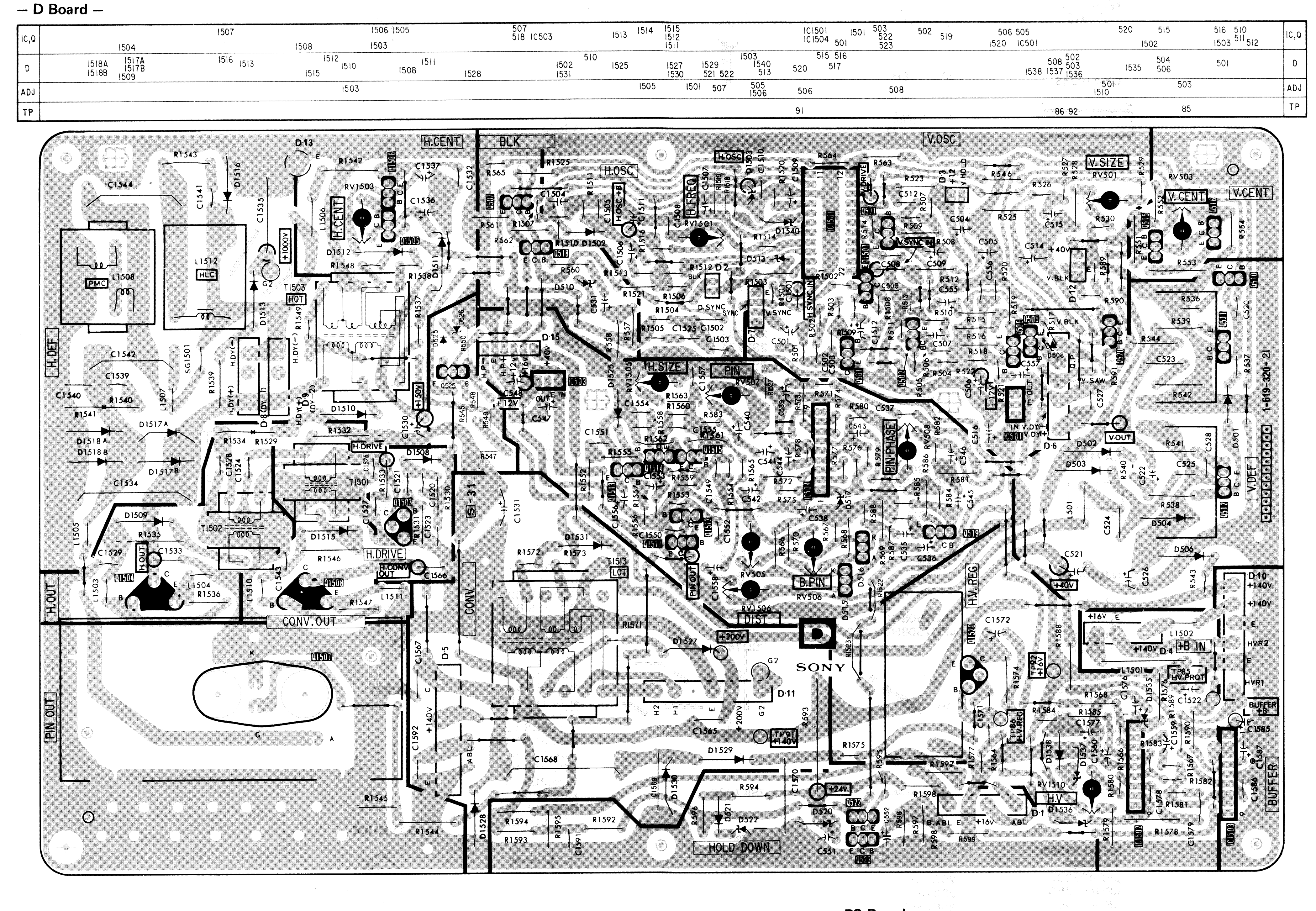


6-6. PRINTED WIRING BOARDS (2)

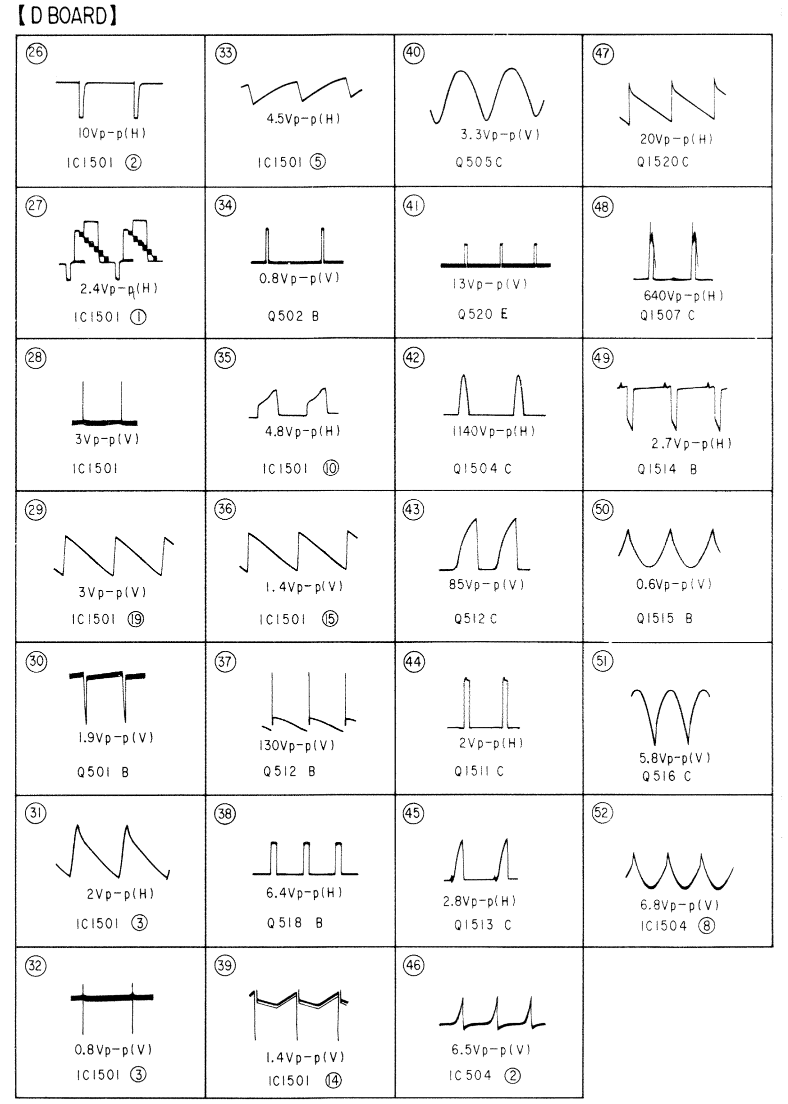
[SYNC SEP, H-V OSC, H-V OUT PIN COMP, PIN OUT, HV COMP, BLK] **D** **B2**

[VIDEO D/A CONVERT, AUDIO CONVERT REMOCON DECORDER, LAST MEMORY, LED DRIVE, REG] **B1** **N** [REMOCON, HEAD AMP] **D2** [CONBERGENCE AMP, HP/VP V BLK, FOUR POLE MODULATION] **C** [R·G·B· OUT]

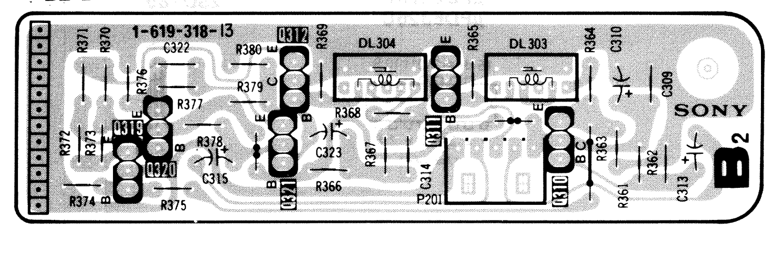
– D Board –



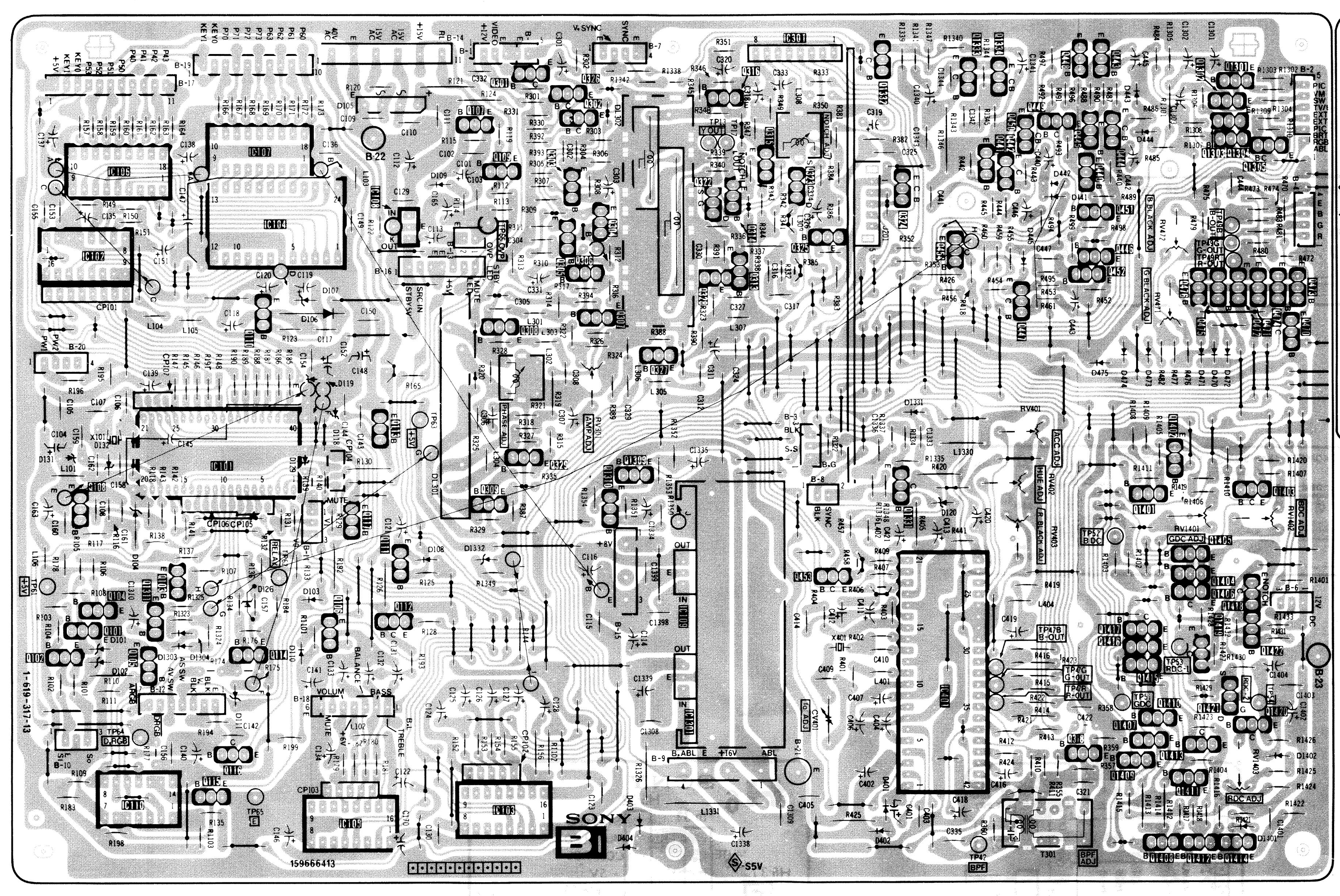
[D BOARD]

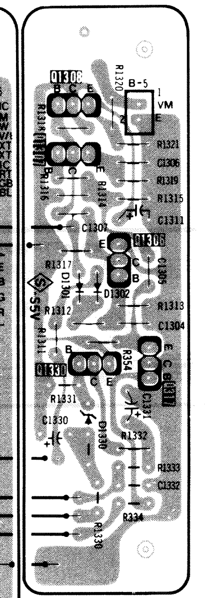


– B2 Board –

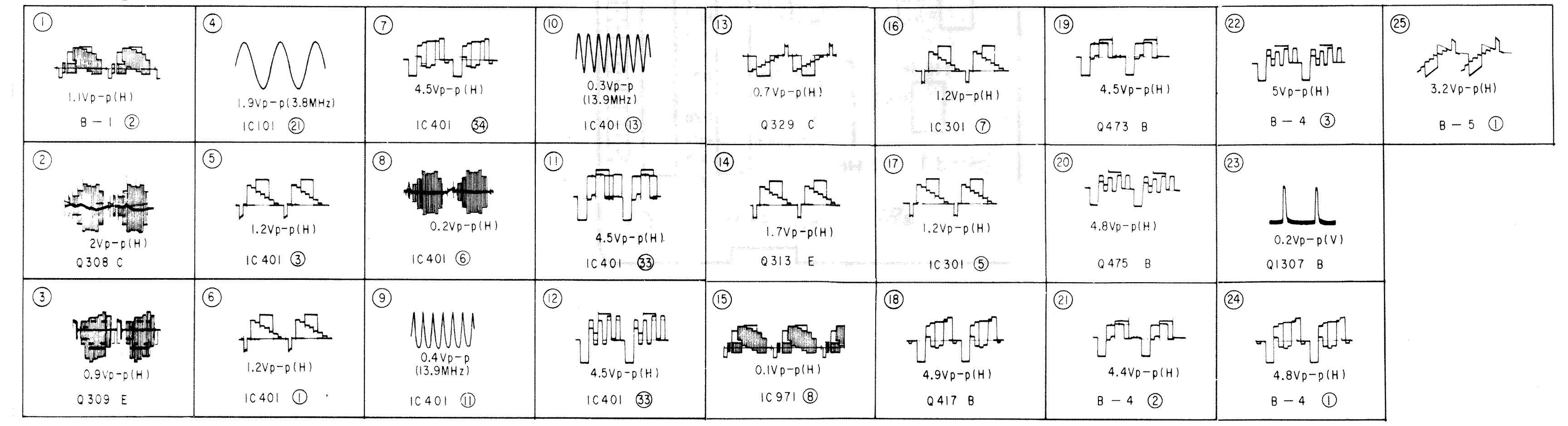


– B1 Board –



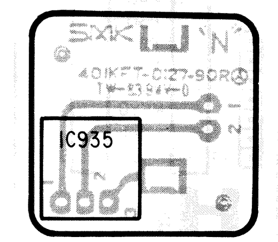


[B1 BOARD]

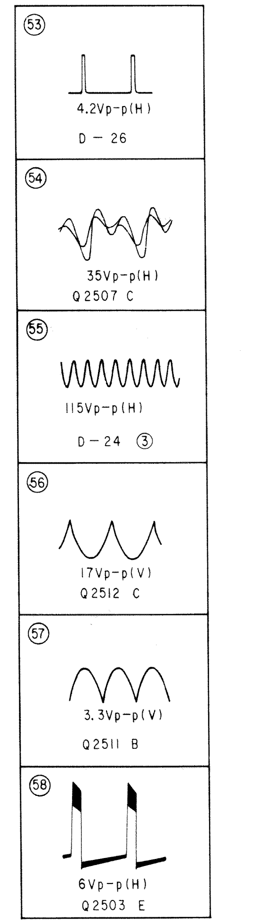


Q IC	D	ADJ	TP
IC301, 448, 443			
301, 1333, 1332, 1334, 1301, 1308			
326, 316, 1302			
107, 302, 1307	105 443		
1303, 1304			
449, 1305	444		
450, 445, 444			13
IC107, 315, 441			
109, 442, 440			
IC106, 303, 323	109		
322, 314	441		
324			
304, 451, 1306	1301 1302		
IC104, 305			
IC108, 325, 454			49B
IC102 446		RV472	49G
306, 452			
317	445		49R
328, 313			
476, 475, 472			
471, 474, 473	107		
110, 447, 470	106	RV471	
308, 307	474 473 471		
327	470 475, 472	RV301	
113	1331		63
IC101, 329 1402	132	RV401	
1331, 1403 1401	120	RV402 RV403 RV1401 RV1402	
108, 309 117	104		
1405 1404			52
111 1406	108, 1332		
103 453			62
IC109, 1418			61
104, 1311, 112	103		
101, 106 1422	1304 101, 1303		
102, 1417 1416	102, 110		53
1415, 1419			47B
105 IC1301 1421			47G
IC401	111		47R
1410, 1420		CV401	
1407, 1413			64
116 318 1409 1411	1402		
IC110, 115	403	RV1403	65
IC103	401 402		
IC105 1408 1412 1414	404		42
Q IC	D	ADJ	TP

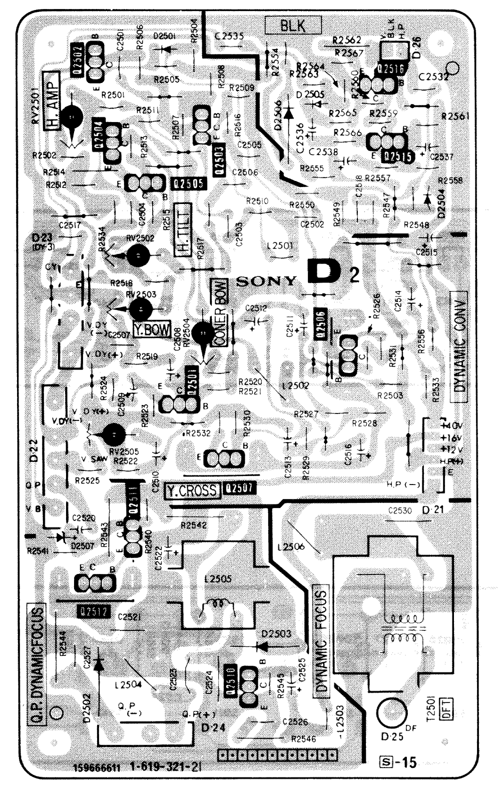
– N Board –



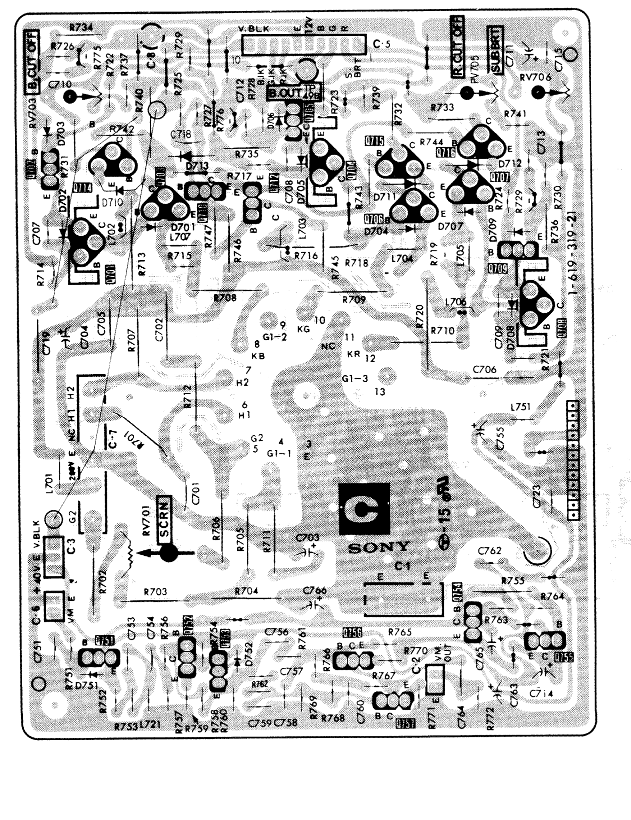
[D2 BOARD]



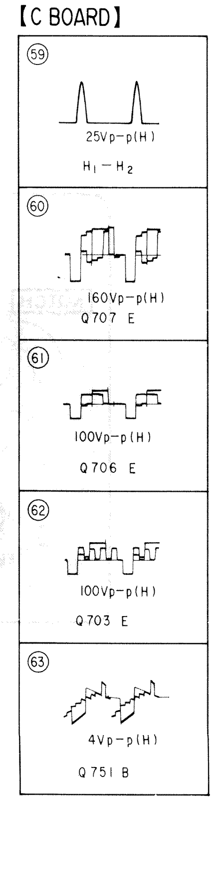
– D2 Board –



– C Board –



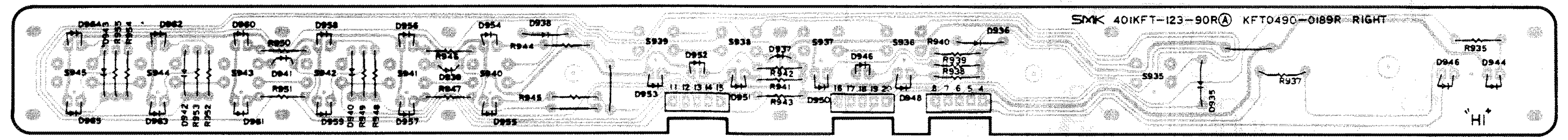
[C BOARD]

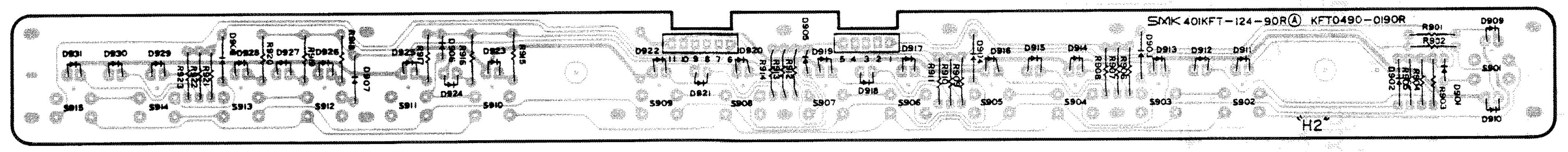


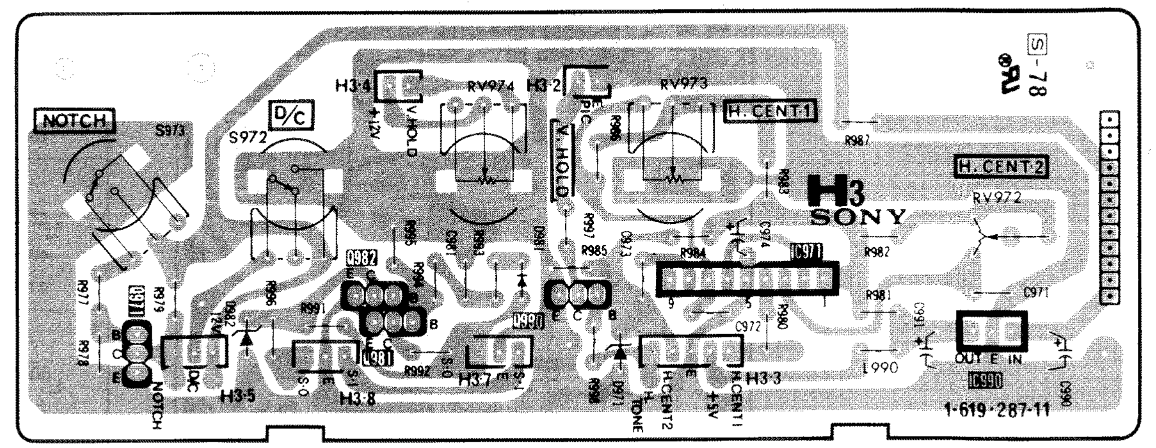
[INDICATOR] H1 H2 [H-CENT] H3 H4 H5 H6

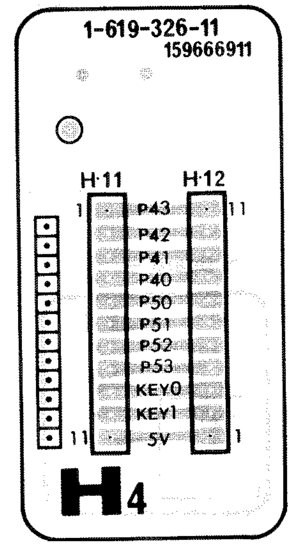
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17

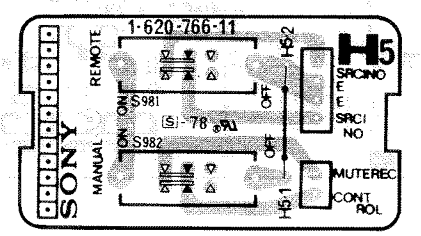
A B C D E F G H I J

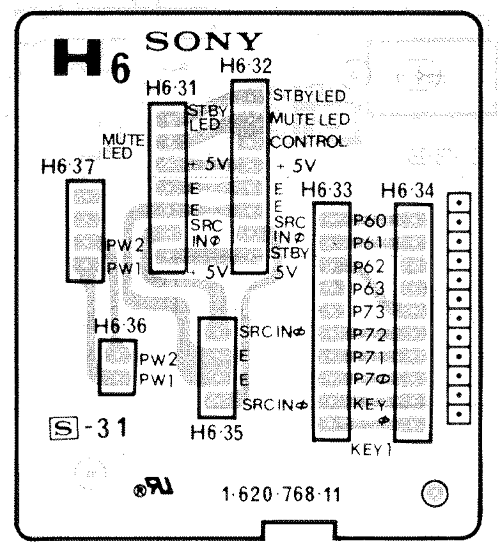












PVM-2530 PVM-2530
RM-739 RM-739

6-7. SEMICONDUCTORS

BA236

CXA1024S

CX20125

CX847
CX848

LA7190

NJM4558S

SN74LS09N
SN74LS11N
SN74LS136N
μPD4066BC

SN74LS138N
TA7630P
μPD4052BC
μPD4053BC
μPD6250C
μPD6325C
μPD6326C

TD62381P

μPC1188H

μPC1377C

μPC78L05A
μPC78L12

μPC7805H
μPC7812H

μPD7508HCU
μPD7508HCU-222

μPD8243C

2SA1091
2SB740
2SC2551
2SD789

2SA1175
2SA1175TP
2SC2785
2SC2785TP

2SA1220A
2SC2611
2SC2688
2SC2690A

2SB733
2SB734
2SC2958
2SC2959
2SD774

2SC2238B
2SC3163

2SD1497

2SK108C

DTC124ES

SG264A

1S1555
1S155TP3
1SS83
10E2
ERD28-06S
RD10E-B2
RD13E-B2
RD24E-BZ7
RD24E-L2
RD3.6E-L1
RD3.6E-L2
RD4.7E-N2
RD4.7E-N3TN
RD5.6E-L2
RD5.6E-N1TN
RD5.6E-N2
RD6.2E-L2
RD6.2E-L3TN
RD6.2E-N2
RD6.2E-N2TN
RD7.5E-B2
SIB01-02
SIB01-02VI

1SS119
RD10ES-B
RD10ES-B2
RD13ES-B
RD13ES-B2
RD15ES-B
RD15ES-T1B
RD20ES-B
RD20ES-T1B
RD24ES-B
RD24ES-T1B
RD36ES-B2
RD5.1ES-B2
RD5.6ES-B1
RD5.6ES-L2
RD5.6ES-T1B1
RD6.2ES-B
RD6.2ES-B2
RD6.2ES-L3
RD6.8ES-B
RD6.8ES-B2
RD7.5ES-B2

CTL-12S

CTU-24S

ERB81-004
RH-1
RH-1A
RH-1Z
RM2CSS

ERC26-15S
ERC26-15SA
GU-3A
U05E
V11N
V19E
V30N

MC931

S1VB10-S

TLS263P
TLY263P

SECTION 7
EXPLODED VIEWS

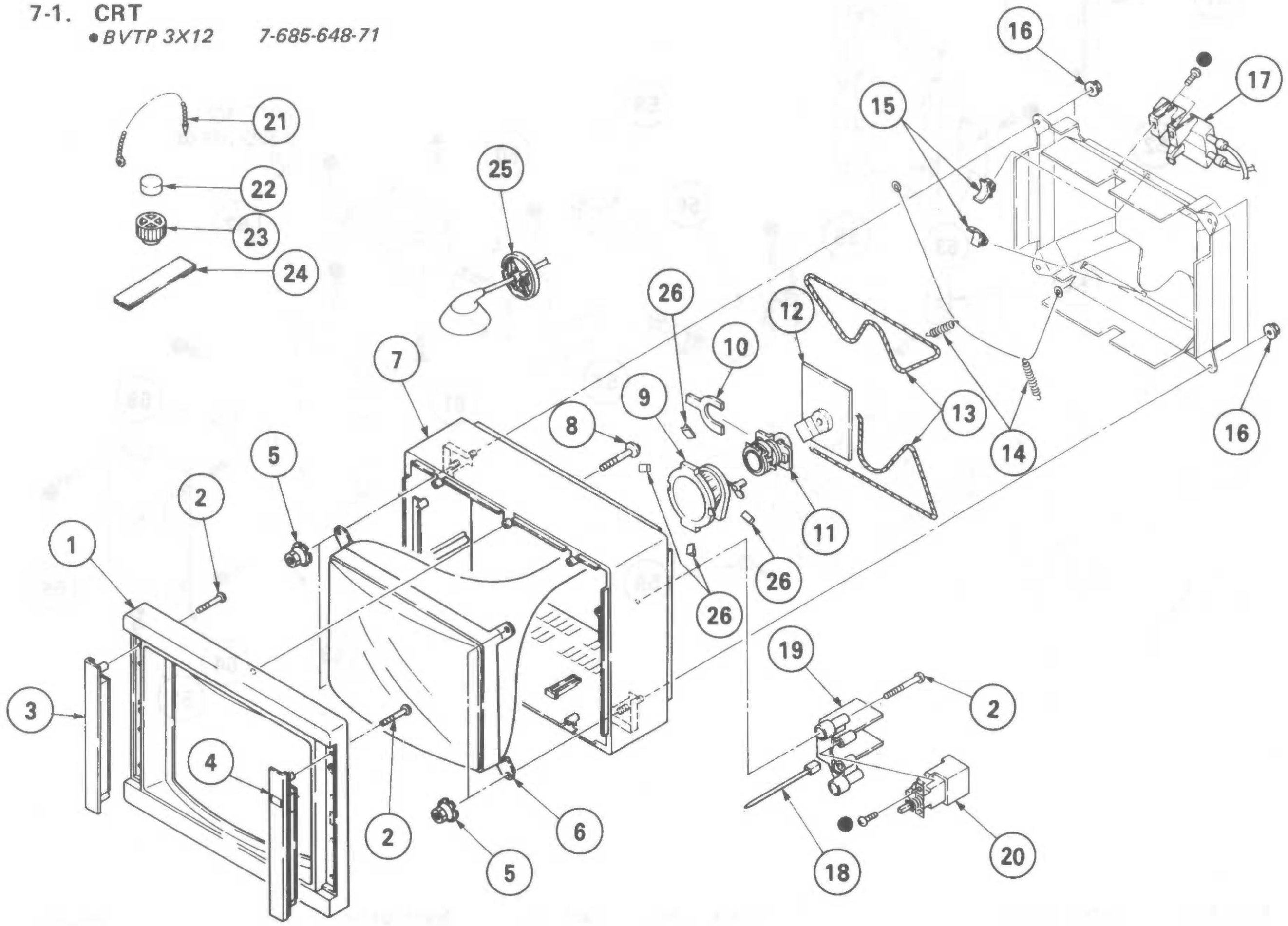
NOTE:
- Items with no part number and no description are not stocked because they are seldom required for routine service.
- The construction parts of an assembled part are indicated with a collation number in the remark column.
- Items marked " ★ " are not stocked since they are seldom required for routine service. Some delay should be anticipated when ordering these items.

The components identified by shading and mark ⚠ are critical for safety. Replace only with part number specified.

Les composants identifiés par une trame et une marque ⚠ sont critiques pour la sécurité. Ne les remplacer que par une pièce portant le numéro spécifié.

7-1. CRT

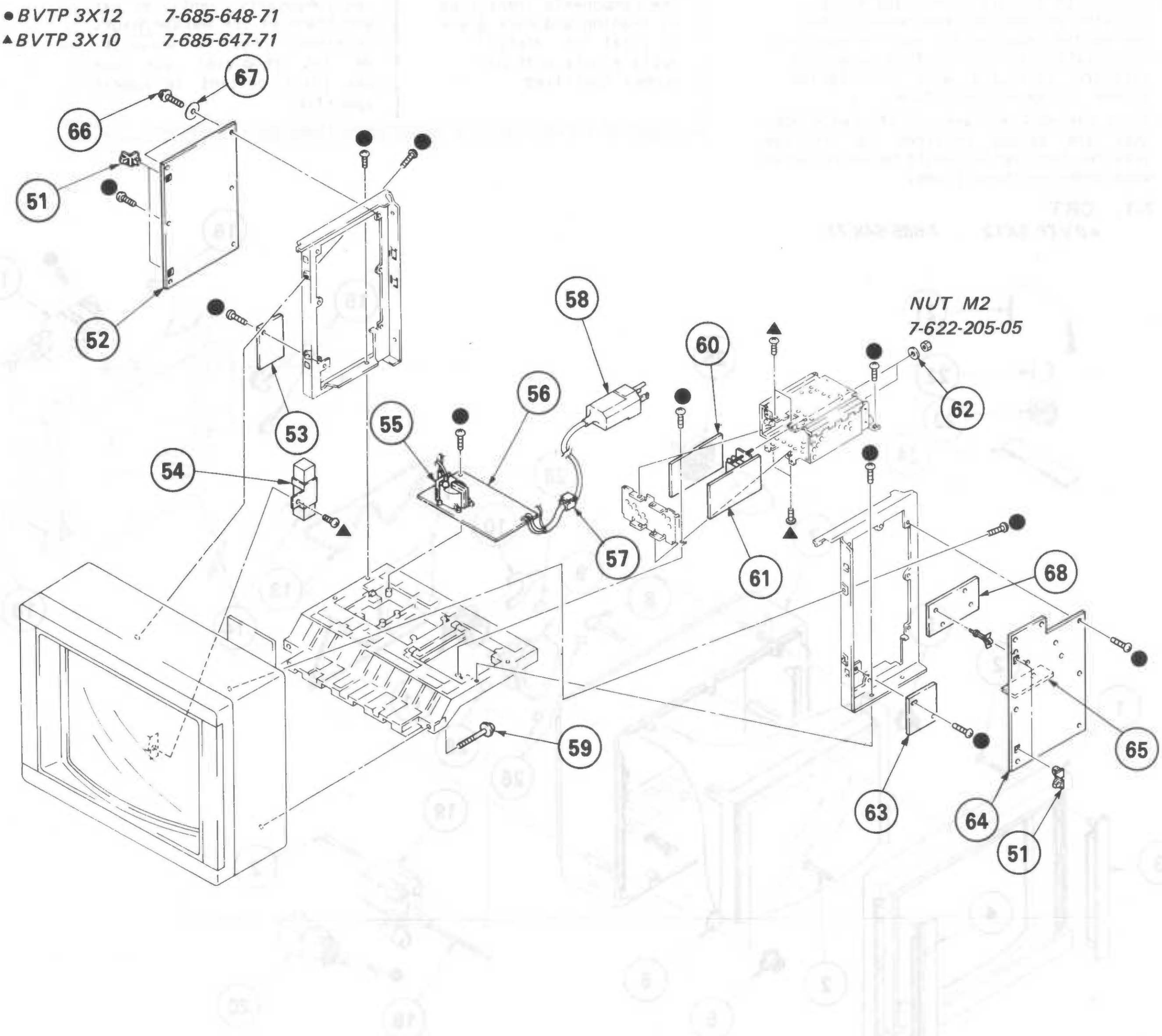
• *BVTP 3X12* *7-685-648-71*



No.	Part No.	Description	Remark
1	X-4374-160-2	BEZEL ASSY (FOR DARK GRAY)	2
	X-4374-160-3	BEZEL ASSY (FOR LIGHT GRAY)	2
2	3-703-083-00	+ BV 3X25	
3	1-464-747-11	KEY BOARD UNIT (A)	
4	1-464-748-11	KEY BOARD UNIT (B)	
5	4-376-980-01	NUT, SPECIAL, CRT	
6	⚠8-736-652-05	CRT (A64JKJ10X)	
7	X-4374-161-2	CABINET ASSY (FOR DARK GRAY)	8
	X-4374-161-3	CABINET ASSY (FOR LIGHT GRAY)	8
8	4-319-520-00	SCREW, SPECIAL (+PW4X30)	
9	⚠1-451-255-22	DEFLECTION YOKE	
10	1-452-146-21	MAGNET, BMC	
11	⚠1-452-351-22	NECK ASSY, CRT (NA302)	
12	*A-1330-784-A	C BOARD, COMPLETE	
13	⚠1-426-296-11	COIL, DEMAGNETIZATION	
14	4-303-774-XX	SPRING	
15	*4-371-629-01	STOPPER, WIRE	
16	4-306-034-00	FLANGE NUT, (B) 5MM	
17	⚠1-230-712-21	RESISTOR ASSY, HIGH-VOLTAGE	
18	*4-371-182-01	SHAFT	
19	*4-371-183-01	COVER, MAIN SWITCH	
20	⚠1-554-966-12	SWITCH, PUSH (AC POWER)(1 KEY)	
21	4-308-870-00	CLIP, LEAD WIRE	
22	1-452-032-00	MAGNET, DISK; 10MM ϕ	
23	1-452-094-00	MAGNET, ROTATABLE DISK; 15MM ϕ	
24	X-4308-815-0	PERMALLOY ASSY, CONVERGENCE	
25	*4-369-234-01	HOLDER, HV CABLE	
26	**3-703-003-00**	**SPACER, DY**	

T.C. Corp
10 North Main St
Wharton NJ 07885
www.servicemanuals.net

7-2. CHASSIS



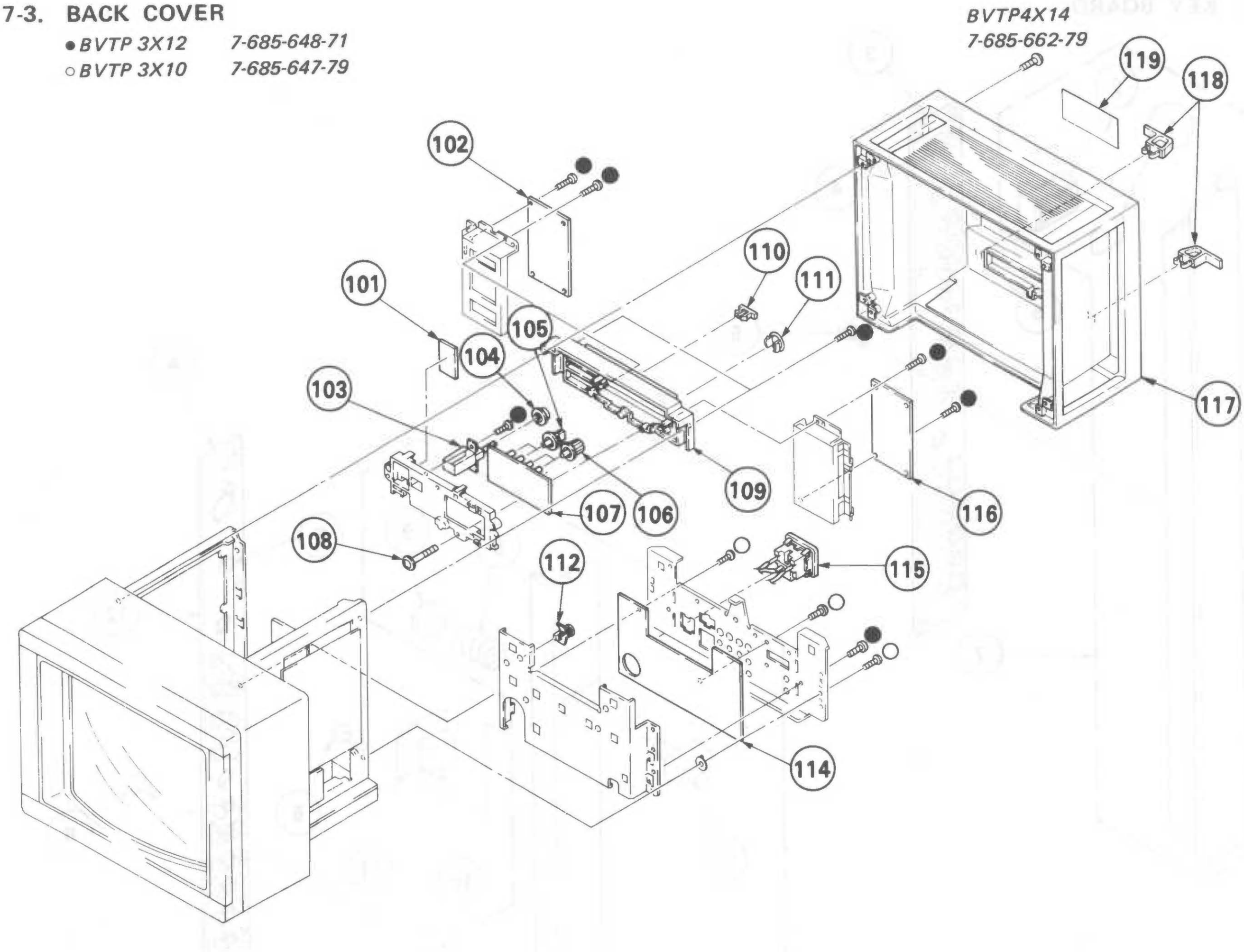
No.	Part No.	Description	Remark	No.	Part No.	Description	Remark
51	*4-313-732-00	CLIP, HINGE, CIRCUIT BOARD		61	*1-613-423-11	GA BOARD	
52	*A-1345-688-A	D BOARD, COMPLETE		62	3-845-490-00	WASHER	
53	*1-620-767-11	H4 BOARD		63	*1-620-768-11	H6 BOARD	
54	⚠1-205-904-11	RES, CEMENT WIREWOUND 1 5%	30W	64	*A-1135-428-A	B BOARD, COMPLETE	
55	⚠1-439-339-12	TRANSFORMER ASSY, FLYBACK		65	*1-619-318-11	B2 BOARD	
56	*1-619-285-11	F BOARD		66	4-302-428-00	HEAD, WASHER, TAPPING SCREW	
57	⚠*4-371-185-01	BUSHING, AC CORD		67	4-383-101-01	WASHER (DIA.14)	
58	⚠1-557-970-11	CORD, POWER		68	*A-1373-058-A	UB BOARD, COMPLETE	
59	4-319-520-00	SCREW, SPECIAL (+PW4X30)					
60	*1-613-424-11	GB BOARD					

The components identified by shading and mark ⚠ are critical for safety. Replace only with part number specified.

Les composants identifiés par une trame et une marque ⚠ sont critiques pour la sécurité. Ne les remplacer que par une pièce portant le numéro spécifié.

7-3. BACK COVER

● BVTP 3X12 7-685-648-71
○ BVTP 3X10 7-685-647-79

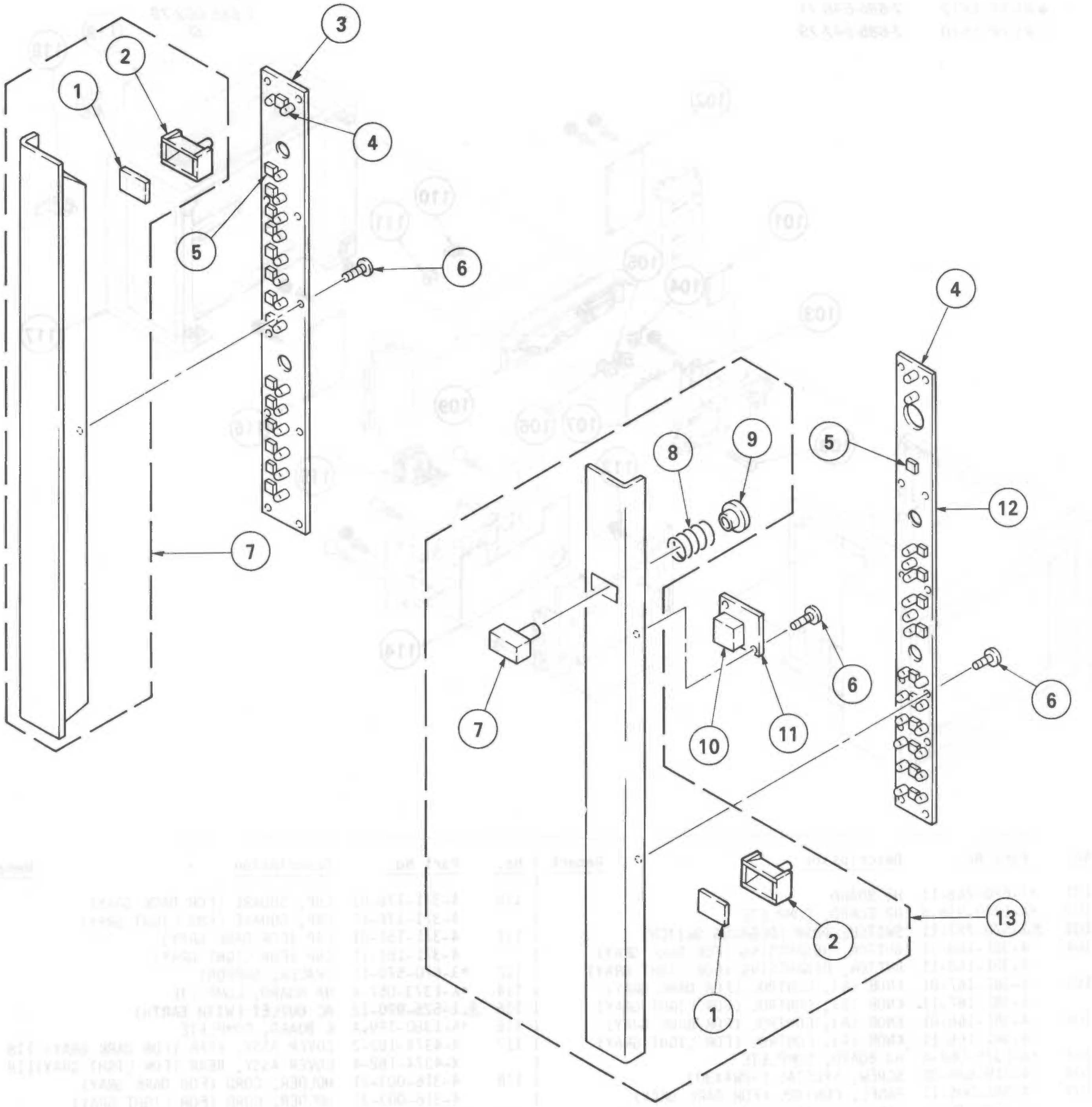


No.	Part No.	Description	Remark
101	*1-620-766-11	H5 BOARD	
102	*A-1340-936-A	D2 BOARD, COMPLETE	
103	⚠1-570-757-11	SWITCH, PUSH (DEGAUSS SWITCH)	
104	4-381-168-01	BUTTON, DEGAUSSING (FOR DARK GRAY)	
	4-381-168-11	BUTTON, DEGAUSSING (FOR LIGHT GRAY)	
105	4-381-167-01	KNOB (B), CONTROL (FOR DARK GRAY)	
	4-381-167-11	KNOB (B), CONTROL (FOR LIGHT GRAY)	
106	4-381-166-01	KNOB (A), CONTROL (FOR DARK GRAY)	
	4-381-166-11	KNOB (A), CONTROL (FOR LIGHT GRAY)	
107	*A-1375-064-A	H3 BOARD, COMPLETE	
108	4-319-520-00	SCREW, SPECIAL (+PW4X30)	
109	4-382-005-11	PANEL, CONTROL (FOR DARK GRAY)	
	4-382-005-21	PANEL, CONTROL (FOR LIGHT GRAY)	
110	4-371-176-01	CAP, SQUARE (FOR DARK GRAY)	
	4-371-176-11	CAP, SQUARE (FOR LIGHT GRAY)	
111	4-371-181-01	CAP (FOR DARK GRAY)	
	4-371-181-11	CAP (FOR LIGHT GRAY)	
112	*3-670-570-11	SPACER, SUPPORT	
114	*A-1373-057-A	UA BOARD, COMPLETE	
115	⚠1-526-920-12	AC OUTLET (WITH EARTH)	
116	*A-1380-189-A	K BOARD, COMPLETE	
117	X-4374-162-2	COVER ASSY, REAR (FOR DARK GRAY) 118	
	X-4374-162-4	COVER ASSY, REAR (FOR LIGHT GRAY)118	
118	4-316-003-21	HOLDER, CORD (FOR DARK GRAY)	
	4-316-003-31	HOLDER, CORD (FOR LIGHT GRAY)	
119	*4-371-177-01	LABEL, MODEL NUMBER (LARGE)	

The components identified by shading and mark ⚠ are critical for safety. Replace only with part number specified.

Les composants identifiés par une trame et une marque ⚠ sont critiques pour la sécurité. Ne les remplacer que par une pièce portant le numéro spécifié.

7-4. KEY BOARD



No.	Part No.	Description	Remark	No.	Part No.	Description	Remark
1	9-990-892-01	ILLUMINATOR A		1	9-990-892-01	ILLUMINATOR A	
2	9-990-891-01	REFLECTOR A		2	9-990-891-01	REFLECTOR A	
3	*9-990-890-01	H2 BOARD		4	9-990-895-01	SPACER	
4	9-990-895-01	SPACER		5	1-553-766-00	MT SWITCH (KEY BOARD SWITCH)	
5	1-553-766-00	MT SWITCH (KEY BOARD SWITCH)		6	9-990-894-01	TAPPING SCREW	
6	9-990-894-01	TAPPING SCREW		7	9-990-899-01	KEY TOP	
7	9-991-652-01	FRAME A ASSY	1,2	8	9-990-902-01	COIL SPRING	
				9	9-990-900-01	STOPPER	
				10	8-741-138-70	DETECTOR	
				11	*9-990-898-01	N BOARD	
				12	*9-990-897-01	H1 BOARD	
				13	9-991-653-01	FRAME B ASSY	1,2,7,8,9

SECTION 8
ELECTRICAL PARTS LIST

B

NOTE:

The components identified by shading and mark ⚠ are critical for safety. Replace only with part number specified.

Les composants identifiés par une trame et une marque ⚠ sont critiques pour la sécurité. Ne les remplacer que par une pièce portant le numéro spécifié.

- Items marked "*" are not stocked since they are seldom required for routine service. Some delay should be anticipated when ordering these items.
- All variable and adjustable resistors have characteristic curve B, unless otherwise noted.

CAPACITORS
- MF : μF, PF : μμF

When indicating parts by reference number, please include the board name.

RESISTORS
- All resistors are in ohms
- F : nonflammable

COILS
- MMH : mH, UH : μH

- The components identified by ⊠ in this manual have been carefully factory-selected for each set in order to satisfy regulations regarding X-ray radiation. Should replacement be required, replace only with the value originally used.

Ref.No.	Part No.	Description			Remark
	*A-1135-428-A	B BOARD, COMPLETE			
		*****************			
		CONNECTOR			
B1	*1-566-057-11	PIN, CONNECTOR 5P			
B2	*1-566-057-11	PIN, CONNECTOR 5P			
B3	*1-566-055-11	PIN, CONNECTOR 3P			
B4	*1-566-056-11	PIN, CONNECTOR 4P			
B5	*1-566-054-11	PIN, CONNECTOR 2P			
B6	*1-566-055-11	PIN, CONNECTOR 3P			
B7	*1-566-056-11	PIN, CONNECTOR 4P			
B8	*1-566-054-11	PIN, CONNECTOR 2P			
B9	*1-508-766-00	4P PLUG (M)			
B10	*1-566-055-11	PIN, CONNECTOR 3P			
B11	*1-566-054-11	PIN, CONNECTOR 2P			
B12	*1-566-059-11	PIN, CONNECTOR 7P			
B13	*1-566-054-11	PIN, CONNECTOR 2P			
B14	*1-566-063-11	PIN, CONNECTOR 11P			
B15	*1-508-765-00	3P PLUG (M)			
B16	*1-566-059-11	PIN, CONNECTOR 7P			
B17	*1-566-063-11	PIN, CONNECTOR 11P			
B18	*1-566-058-11	PIN, CONNECTOR 6P			
B19	*1-566-062-11	PIN, CONNECTOR 10P			
B20	*1-566-054-11	PIN, CONNECTOR 2P			
B21	*1-566-054-11	PIN, CONNECTOR 2P			
B23	*1-508-784-00	1P PLUG			
		CAPACITOR			
C101	1-124-892-11	ELECT	47MF	20%	10V
C102	1-101-006-00	CERAMIC	0.047MF		50V
C103	1-101-006-00	CERAMIC	0.047MF		50V
C104	1-124-471-00	ELECT	1000MF	20%	6.3V
C105	1-108-845-00	MYLAR	0.047MF	10%	50V
C106	1-102-963-00	CERAMIC	33PF	5%	50V
C107	1-102-963-00	CERAMIC	33PF	5%	50V
C108	1-102-978-00	CERAMIC	220PF	5%	50V
C109	1-102-038-00	CERAMIC	0.001MF		500V
C110	1-102-038-00	CERAMIC	0.001MF		500V
C111	1-108-837-00	MYLAR	0.01MF	10%	50V
C112	1-124-901-00	ELECT	1000MF	20%	35V
C113	1-123-356-00	ELECT	10MF	20%	16V
C114	1-123-356-00	ELECT	10MF	20%	16V
C115	1-108-837-00	MYLAR	0.01MF	10%	50V
C116	1-124-444-00	ELECT	220MF	20%	10V
C117	1-102-038-00	CERAMIC	0.001MF		500V
C118	1-123-360-00	ELECT	100MF	20%	50V
C119	1-123-356-00	ELECT	10MF	20%	50V
C120	1-123-356-00	ELECT	10MF	20%	50V
C121	1-123-318-00	ELECT	33MF	20%	16V
C122	1-123-356-00	ELECT	10MF	20%	16V
C123	1-101-006-00	CERAMIC	0.047MF		50V
C124	1-123-380-00	ELECT	1MF	20%	50V
C125	1-123-380-00	ELECT	1MF	20%	50V

Ref.No.	Part No.	Description			Remark
C126	1-123-380-00	ELECT	1MF	20%	50V
C127	1-123-380-00	ELECT	1MF	20%	50V
C128	1-123-380-00	ELECT	1MF	20%	50V
C129	1-101-006-00	CERAMIC	0.047MF		50V
C130	1-101-006-00	CERAMIC	0.047MF		50V
C131	1-123-380-00	ELECT	1MF	20%	50V
C132	1-123-380-00	ELECT	1MF	20%	50V
C133	1-123-380-00	ELECT	1MF	20%	50V
C134	1-123-380-00	ELECT	1MF	20%	50V
C135	1-123-351-00	ELECT	0.47MF	20%	50V
C136	1-101-006-00	CERAMIC	0.047MF		50V
C137	1-124-443-00	ELECT	100MF	20%	10V
C138	1-124-443-00	ELECT	100MF	20%	10V
C139	1-123-356-00	ELECT	10MF	20%	16V
C140	1-124-443-00	ELECT	100MF	20%	10V
C141	1-123-356-00	ELECT	10MF	20%	16V
C142	1-102-074-00	CERAMIC	0.001MF	10%	50V
C143	1-108-618-91	MYLAR	0.0022MF	10%	100V
C144	1-108-618-91	MYLAR	0.0022MF	10%	100V
C145	1-119-354-00	ELECT	330MF		10V
C146	1-124-892-11	ELECT	47MF	20%	10V
C147	1-119-354-00	ELECT	330MF		10V
C148	1-124-443-00	ELECT	100MF	20%	10V
C149	1-101-006-00	CERAMIC	0.047MF		50V
C150	1-101-006-00	CERAMIC	0.047MF		50V
C151	1-124-443-00	ELECT	100MF	20%	10V
C152	1-124-443-00	ELECT	100MF	20%	10V
C153	1-101-006-00	CERAMIC	0.047MF		50V
C154	1-101-006-00	CERAMIC	0.047MF		50V
C155	1-102-074-00	CERAMIC	0.001MF	10%	50V
C156	1-101-006-00	CERAMIC	0.047MF		50V
C157	1-101-006-00	CERAMIC	0.047MF		50V
C158	1-101-006-00	CERAMIC	0.047MF		50V
C159	1-101-006-00	CERAMIC	0.047MF		50V
C160	1-102-129-00	CERAMIC	0.01MF	10%	50V
C161	1-102-129-00	CERAMIC	0.01MF	10%	50V
C162	1-108-837-00	MYLAR	0.01MF	10%	50V
C163	1-123-356-00	ELECT	10MF	20%	16V
C165	1-124-443-00	ELECT	100MF	20%	10V
C170	1-123-356-00	ELECT	10MF	20%	16V
C301	1-123-356-00	ELECT	10MF	20%	16V
C302	1-102-961-00	CERAMIC	27PF	5%	50V
C303	1-123-356-00	ELECT	10MF	20%	16V
C304	1-102-971-00	CERAMIC	82PF	5%	50V
C305	1-102-971-00	CERAMIC	82PF	5%	50V
C306	1-123-380-00	ELECT	1MF	20%	50V
C307	1-123-380-00	ELECT	1MF	20%	50V
C308	1-102-978-00	CERAMIC	220PF	5%	50V
C311	1-123-330-00	ELECT	22MF	20%	16V
C312	1-102-971-00	CERAMIC	82PF	5%	50V
C316	1-102-858-00	CERAMIC	10PF	0.5PF	50V
C317	1-102-858-00	CERAMIC	10PF	0.5PF	50V
C318	1-123-380-00	ELECT	1MF	20%	50V

B

Ref.No.	Part No.	Description			Remark
C320	1-123-356-00	ELECT	10MF	20%	16V
C321	1-102-888-00	CERAMIC	150PF	5%	50V
C324	1-101-006-00	CERAMIC	0.047MF		50V
C325	1-102-973-00	CERAMIC	100PF	5%	50V
C326	1-123-380-00	ELECT	1MF	20%	50V
C327	1-102-820-00	CERAMIC	330PF	5%	50V
C329	1-102-971-00	CERAMIC	82PF	5%	50V
C330	1-102-973-00	CERAMIC	100PF	5%	50V
C331	1-123-356-00	ELECT	10MF	20%	16V
C332	1-101-006-00	CERAMIC	0.047MF		50V
C333	1-123-356-00	ELECT	10MF	20%	16V
C335	1-102-887-00	CERAMIC	47PF	5%	50V
C401	1-123-330-00	ELECT	22MF	20%	16V
C402	1-124-555-00	ELECT	1000MF	20%	16V
C403	1-102-125-00	CERAMIC	0.0047MF	10%	50V
C404	1-123-447-00	ELECT	0.22MF	20%	50V
C405	1-102-129-00	CERAMIC	0.01MF	10%	50V
C406	1-123-447-00	ELECT	0.22MF	20%	50V
C407	1-123-356-00	ELECT	10MF	20%	16V
C409	1-102-865-00	CERAMIC	8PF	0.5PF	50V
C410	1-102-074-00	CERAMIC	0.001MF	10%	50V
C411	1-123-351-00	ELECT	0.47MF	20%	50V
C412	1-123-351-00	ELECT	0.47MF	20%	50V
C413	1-123-330-00	ELECT	22MF	20%	16V
C414	1-124-645-11	ELECT	10MF	20%	16V
C416	1-123-381-00	ELECT	2.2MF	20%	50V
C418	1-123-318-00	ELECT	33MF	20%	16V
C419	1-123-607-00	ELECT	0.1MF	20%	50V
C420	1-124-896-00	ELECT	33MF	20%	16V
C421	1-123-332-00	ELECT	47MF	20%	16V
C440	1-123-356-00	ELECT	10MF	20%	16V
C441	1-124-655-11	ELECT	0.47MF	20%	50V
C442	1-123-332-00	ELECT	47MF	20%	16V
C443	1-123-381-00	ELECT	2.2MF	20%	50V
C444	1-102-129-00	CERAMIC	0.01MF	10%	50V
C445	1-124-478-11	ELECT	100MF	20%	25V
C446	1-123-351-00	ELECT	0.47MF	20%	50V
C447	1-102-973-00	CERAMIC	100PF	5%	50V
C1301	1-123-330-00	ELECT	22MF	20%	16V
C1302	1-124-896-00	ELECT	33MF	20%	16V
C1303	1-123-380-00	ELECT	1MF	20%	50V
C1304	1-101-006-00	CERAMIC	0.047MF		50V
C1305	1-106-196-00	MYLAR	0.01MF	10%	100V
C1306	1-102-971-00	CERAMIC	82PF	5%	50V
C1307	1-124-645-11	ELECT	10MF	20%	16V
C1308	1-101-006-00	CERAMIC	0.047MF		50V
C1309	1-102-129-00	CERAMIC	0.01MF	10%	50V
C1310	1-123-332-00	ELECT	47MF	20%	16V
C1311	1-123-356-00	ELECT	10MF	20%	16V
C1333	1-108-617-91	MYLAR	0.0018MF	10%	100V
C1336	1-108-618-91	MYLAR	0.0022MF	10%	100V
C1338	1-124-478-11	ELECT	100MF	20%	25V
C1339	1-123-321-00	ELECT	220MF	20%	16V

Ref.No.	Part No.	Description			Remark
C1340	1-123-380-00	ELECT	1MF	20%	50V
C1341	1-123-380-00	ELECT	1MF	20%	50V
C1342	1-108-630-91	MYLAR	0.022MF	10%	100V
C1343	1-136-165-00	FILM	0.1MF	5%	50V
C1344	1-102-973-00	CERAMIC	100PF	5%	50V
C1401	1-102-074-00	CERAMIC	0.001MF	10%	50V
C1402	1-123-332-00	ELECT	47MF	20%	16V
C1403	1-102-129-00	CERAMIC	0.01MF	10%	50V
C1404	1-123-318-00	ELECT	33MF	20%	16V
		TRIMMER			
CV401	1-141-147-XX	CAP, TRIMMER			
		DIODE			
D101	8-719-109-95	DIODE RD6.8ES-B			
D102	8-719-109-95	DIODE RD6.8ES-B			
D103	8-719-911-19	DIODE 1SS119			
D104	8-719-101-39	DIODE RD3.6E-L2			
D105	8-719-511-20	DIODE S1VB20			
D106	8-719-920-02	DIODE ERB12-02			
D107	8-719-110-83	DIODE RD36ES-B2			
D108	⚠ 8-719-921-20	DIODE 1SS119TD			
D109	8-719-911-19	DIODE 1SS119			
D110	8-719-911-19	DIODE 1SS119			
D111	8-719-109-85	DIODE RD5.1ES-B2			
D118	8-719-109-91	DIODE RD6.2ES-B			
D120	8-719-110-34	DIODE RD13ES-B			
D126	8-719-109-91	DIODE RD6.2ES-B			
D129	8-719-109-91	DIODE RD6.2ES-B			
D131	8-719-109-91	DIODE RD6.2ES-B			
D132	8-719-109-91	DIODE RD6.2ES-B			
D401	8-719-911-19	DIODE 1SS119			
D402	8-719-911-19	DIODE 1SS119			
D403	8-719-911-19	DIODE 1SS119			
D404	8-719-911-19	DIODE 1SS119			
D441	8-719-911-19	DIODE 1SS119			
D443	8-719-911-19	DIODE 1SS119			
D444	8-719-911-19	DIODE 1SS119			
D445	8-719-911-19	DIODE 1SS119			
D470	8-719-911-19	DIODE 1SS119			
D471	8-719-911-19	DIODE 1SS119			
D472	8-719-911-19	DIODE 1SS119			
D473	8-719-911-19	DIODE 1SS119			
D474	8-719-911-19	DIODE 1SS119			
D475	8-719-911-19	DIODE 1SS119			
D1301	8-719-911-19	DIODE 1SS119			
D1302	8-719-911-19	DIODE 1SS119			
D1303	8-719-911-19	DIODE 1SS119			
D1304	8-719-911-19	DIODE 1SS119			
D1331	8-719-911-19	DIODE 1SS119			
D1332	8-719-109-85	DIODE RD5.1ES-B2			
D1401	8-719-911-19	DIODE 1SS119			
D1402	8-719-911-19	DIODE 1SS119			

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DELAY LINE

Ref.No.	Part No.	Description	Remark
DL301	1-415-280-00	DELAY LINE (1H)	
DL302	1-415-510-11	DELAY LINE, Y	

IC

Ref.No.	Part No.	Description	Remark
IC101	8-759-105-89	IC UPD7508HCU-222	
IC102	8-759-102-12	IC UPD6250C	
IC103 ⚠	8-759-102-28	IC UPD6326C	
IC104	8-759-182-43	IC UPD8243C(M)	
IC105	8-759-104-05	IC UPD6325C	
IC106	8-759-207-07	IC TD62381P	
IC107	8-759-207-07	IC TD62381P	
IC108 ⚠	8-759-108-05	IC UPC78L05A	
IC109	8-759-171-05	IC UPC7805H	
IC110	8-759-140-66	IC UPD4066BC	
IC301	8-759-913-11	IC CX20125	
IC401	8-758-480-00	IC CX848	
IC1301 ⚠	8-759-171-12	IC MPC7812H	

CONNECTOR

Ref.No.	Part No.	Description	Remark
J201	*1-564-529-11	CONNECTOR, BOARD TO BOARD 5P	

COIL

Ref.No.	Part No.	Description	Remark
L101	1-407-708-00	MICRO INDUCTOR 180UH	
L102	1-407-708-00	MICRO INDUCTOR 180UH	
L103	1-408-424-00	MICRO INDUCTOR 180UH	
L104	1-408-424-00	MICRO INDUCTOR 180UH	
L105	1-408-424-00	MICRO INDUCTOR 180UH	
L106	1-408-424-00	MICRO INDUCTOR 180UH	
L301	1-408-412-00	MICRO INDUCTOR 18UH	
L302	1-407-571-00	COIL, VARIABLE 22UH	
L303	1-408-412-00	MICRO INDUCTOR 18UH	
L304	1-408-411-00	MICRO INDUCTOR 15UH	
L305	1-408-411-00	MICRO INDUCTOR 15UH	
L306	1-408-417-00	MICRO INDUCTOR 47UH	
L307	1-408-412-00	MICRO INDUCTOR 18UH	
L308	1-409-193-00	COIL 3.58MHZ TRAP	
L401	1-408-398-00	MICRO INDUCTOR 1.2UH	
L402	1-408-398-00	MICRO INDUCTOR 1.2UH	
L404	1-408-398-00	MICRO INDUCTOR 1.2UH	
L1330	1-408-236-00	MICRO INDUCTOR 2.7MMH	
L1331	1-407-364-00	COIL, SPOOK CHOKE 3.3UH	

TRANSISTOR

Ref.No.	Part No.	Description	Remark
Q101	8-729-117-54	TRANSISTOR 2SA1175	
Q102	8-729-117-54	TRANSISTOR 2SA1175	
Q103	8-729-178-54	TRANSISTOR 2SC2785	
Q104	8-729-178-54	TRANSISTOR 2SC2785	
Q105	8-729-178-54	TRANSISTOR 2SC2785	
Q106	8-729-117-54	TRANSISTOR 2SA1175	
Q107	8-729-178-54	TRANSISTOR 2SC2785	
Q108	8-729-178-54	TRANSISTOR 2SC2785	
Q109	8-729-178-54	TRANSISTOR 2SC2785	
Q110 ⚠	8-729-101-54	**TRANSISTOR 2SA1175TP-F**	
Q111	8-729-117-54	TRANSISTOR 2SA1175	
Q112	8-729-178-54	TRANSISTOR 2SC2785	
Q113	8-729-373-92	TRANSISTOR 2SB739	
Q115	8-729-900-36	TRANSISTOR DTC124ES	
Q116	8-729-117-54	TRANSISTOR 2SA1175	
Q117	8-729-178-54	TRANSISTOR 2SC2785	
Q301	8-729-178-54	TRANSISTOR 2SC2785	
Q302	8-729-178-54	TRANSISTOR 2SC2785	
Q303	8-729-178-54	TRANSISTOR 2SC2785	
Q304	8-729-117-54	TRANSISTOR 2SA1175	
Q305	8-729-117-54	TRANSISTOR 2SA1175	
Q306	8-729-178-54	TRANSISTOR 2SC2785	
Q307	8-729-178-54	TRANSISTOR 2SC2785	
Q308	8-729-178-54	TRANSISTOR 2SC2785	
Q309	8-729-178-54	TRANSISTOR 2SC2785	
Q313	8-729-178-54	TRANSISTOR 2SC2785	
Q314	8-729-178-54	TRANSISTOR 2SC2785	
Q315	8-729-900-36	TRANSISTOR DTC124ES	
Q316	8-729-178-54	TRANSISTOR 2SC2785	
Q317	8-729-117-54	TRANSISTOR 2SA1175	
Q318	8-729-178-54	TRANSISTOR 2SC2785	
Q322	8-729-600-12	TRANSISTOR 2SK108	
Q323	8-729-600-12	TRANSISTOR 2SK108	
Q324	8-729-178-54	TRANSISTOR 2SC2785	
Q325	8-729-178-54	TRANSISTOR 2SC2785	
Q326	8-729-178-54	TRANSISTOR 2SC2785	
Q327	8-729-178-54	TRANSISTOR 2SC2785	
Q328	8-729-178-54	TRANSISTOR 2SC2785	
Q329	8-729-117-54	TRANSISTOR 2SA1175	
Q440 ⚠	8-729-101-36	**TRANSISTOR 2SC2785TP-H**	
Q441	8-729-117-54	TRANSISTOR 2SA1175	
Q442	8-729-178-54	TRANSISTOR 2SC2785	
Q443	8-729-178-54	TRANSISTOR 2SC2785	
Q444	8-729-117-54	TRANSISTOR 2SA1175	
Q445	8-729-117-54	TRANSISTOR 2SA1175	
Q446	8-729-178-54	TRANSISTOR 2SC2785	
Q447	8-729-178-54	TRANSISTOR 2SC2785	
Q448	8-729-178-54	TRANSISTOR 2SC2785	
Q449	8-729-117-54	TRANSISTOR 2SA1175	
Q450	8-729-178-54	TRANSISTOR 2SC2785	
Q451	8-729-117-54	TRANSISTOR 2SA1175	
Q452	8-729-178-54	TRANSISTOR 2SC2785	
Q453	8-729-117-54	TRANSISTOR 2SA1175	
Q454	8-729-117-54	TRANSISTOR 2SA1175	
Q470	8-729-117-54	TRANSISTOR 2SA1175	
Q471	8-729-178-54	TRANSISTOR 2SC2785	
Q472	8-729-178-54	TRANSISTOR 2SC2785	
Q473	8-729-178-54	TRANSISTOR 2SC2785	
Q474	8-729-178-54	TRANSISTOR 2SC2785	
Q475	8-729-178-54	TRANSISTOR 2SC2785	
Q476	8-729-178-54	TRANSISTOR 2SC2785	

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B

Ref.No.	Part No.	Description				Remark
Q1301	8-729-178-54	TRANSISTOR 2SC2785				
Q1302	8-729-117-54	TRANSISTOR 2SA1175				
Q1303	8-729-178-54	TRANSISTOR 2SC2785				
Q1304	8-729-178-54	TRANSISTOR 2SC2785				
Q1305	8-729-178-54	TRANSISTOR 2SC2785				
Q1306	8-729-178-54	TRANSISTOR 2SC2785				
Q1307	8-729-178-54	TRANSISTOR 2SC2785				
Q1308	8-729-178-54	TRANSISTOR 2SC2785				
Q1311	8-729-117-54	TRANSISTOR 2SA1175				
Q1331	8-729-178-54	TRANSISTOR 2SC2785				
Q1332	8-729-117-54	TRANSISTOR 2SA1175				
Q1333	8-729-117-54	TRANSISTOR 2SA1175				
Q1334	8-729-117-54	TRANSISTOR 2SA1175				
Q1401	8-729-117-54	TRANSISTOR 2SA1175				
Q1402	8-729-117-54	TRANSISTOR 2SA1175				
Q1403	8-729-117-54	TRANSISTOR 2SA1175				
Q1404	8-729-117-54	TRANSISTOR 2SA1175				
Q1405	8-729-117-54	TRANSISTOR 2SA1175				
Q1406	8-729-117-54	TRANSISTOR 2SA1175				
Q1407	8-729-117-54	TRANSISTOR 2SA1175				
Q1408	8-729-117-54	TRANSISTOR 2SA1175				
Q1409	8-729-117-54	TRANSISTOR 2SA1175				
Q1410	8-729-117-54	TRANSISTOR 2SA1175				
Q1411	8-729-117-54	TRANSISTOR 2SA1175				
Q1412	8-729-117-54	TRANSISTOR 2SA1175				
Q1413	8-729-117-54	TRANSISTOR 2SA1175				
Q1414	8-729-117-54	TRANSISTOR 2SA1175				
Q1415	8-729-117-54	TRANSISTOR 2SA1175				
Q1416	8-729-117-54	TRANSISTOR 2SA1175				
Q1417	8-729-117-54	TRANSISTOR 2SA1175				
Q1418	8-729-117-54	TRANSISTOR 2SA1175				
Q1419	8-729-178-54	TRANSISTOR 2SC2785				
Q1420	8-729-117-54	TRANSISTOR 2SA1175				
Q1421	8-729-600-12	TRANSISTOR 2SK108				
Q1422	8-729-178-54	TRANSISTOR 2SC2785				
		RESISTOR				
R101	1-247-787-00	CARBON	15	5%	1/6W	
R102	1-247-787-00	CARBON	15	5%	1/6W	
R103	1-249-441-11	CARBON	100K	5%	1/6W	
R104	1-249-441-11	CARBON	100K	5%	1/6W	
R105	1-247-805-00	CARBON	82	5%	1/6W	
R106	1-247-823-00	CARBON	470	5%	1/6W	
R107	1-249-421-11	CARBON	2.2K	5%	1/6W	
R108	1-249-433-11	CARBON	22K	5%	1/6W	
R109	1-249-433-11	CARBON	22K	5%	1/6W	
R110	1-249-465-11	CARBON	47K	5%	1/4W	
R111	1-249-437-11	CARBON	47K	5%	1/6W	
R112	1-247-851-00	CARBON	6.8K	5%	1/6W	
R113	1-249-421-11	CARBON	2.2K	5%	1/6W	F
R114	1-249-421-11	CARBON	2.2K	5%	1/6W	F
R115	1-249-425-11	CARBON	4.7K	5%	1/6W	
R116	1-249-414-11	CARBON	560	5%	1/6W	
R117	1-249-429-11	CARBON	10K	5%	1/6W	
R118	1-249-429-11	CARBON	10K	5%	1/6W	
R119	1-249-441-11	CARBON	100K	5%	1/6W	
R120	1-249-382-11	CARBON	1.2	5%	1/6W	F
R121	1-247-739-11	CARBON	100	5%	1/2W	F
R122	1-249-389-11	CARBON	4.7	5%	1/6W	F
R123	1-247-845-00	CARBON	3.9K	5%	1/6W	
R124	1-249-469-11	CARBON	100K	5%	1/4W	
R125	1-249-433-11	CARBON	22K	5%	1/6W	
R126	1-247-726-11	CARBON	33K	5%	1/4W	
R128	1-249-405-11	CARBON	100	5%	1/6W	
R129	1-249-421-11	CARBON	2.2K	5%	1/6W	
R130	1-247-706-11	CARBON	330	5%	1/4W	
R131	1-249-417-11	CARBON	1K	5%	1/6W	
R132	1-249-417-11	CARBON	1K	5%	1/6W	
R133	1-249-421-11	CARBON	2.2K	5%	1/6W	
R134	1-249-421-11	CARBON	2.2K	5%	1/6W	
R135	1-249-421-11	CARBON	2.2K	5%	1/6W	
R136	1-249-421-11	CARBON	2.2K	5%	1/6W	
R137	1-249-421-11	CARBON	2.2K	5%	1/6W	
R138	1-249-421-11	CARBON	2.2K	5%	1/6W	
R140	1-249-421-11	CARBON	2.2K	5%	1/6W	
R141	1-249-421-11	CARBON	2.2K	5%	1/6W	
R142	1-249-421-11	CARBON	2.2K	5%	1/6W	
R143	1-249-421-11	CARBON	2.2K	5%	1/6W	
R144	1-247-710-11	CARBON	560	5%	1/4W	
R145	1-249-421-11	CARBON	2.2K	5%	1/6W	
R146	1-249-421-11	CARBON	2.2K	5%	1/6W	
R147	1-249-421-11	CARBON	2.2K	5%	1/6W	
R148	1-249-414-11	CARBON	560	5%	1/6W	
R149	1-247-883-00	CARBON	150K	5%	1/6W	
R150	1-249-422-11	CARBON	2.7K	5%	1/6W	
R151	1-247-845-00	CARBON	3.9K	5%	1/6W	
R152	1-249-421-11	CARBON	2.2K	5%	1/6W	
R153	1-249-421-11	CARBON	2.2K	5%	1/6W	
R154	1-249-421-11	CARBON	2.2K	5%	1/6W	
R155	1-249-421-11	CARBON	2.2K	5%	1/6W	
R156	1-247-717-11	CARBON	2.2K	5%	1/4W	
R157	1-247-791-00	CARBON	22	5%	1/6W	
R158	1-247-791-00	CARBON	22	5%	1/6W	
R159	1-247-791-00	CARBON	22	5%	1/6W	
R160	1-247-791-00	CARBON	22	5%	1/6W	
R161	1-247-791-00	CARBON	22	5%	1/6W	
R162	1-247-791-00	CARBON	22	5%	1/6W	
R163	1-247-791-00	CARBON	22	5%	1/6W	
R164	1-247-791-00	CARBON	22	5%	1/6W	
R165	1-247-791-00	CARBON	22	5%	1/6W	
R166	1-247-791-00	CARBON	22	5%	1/6W	
R167	1-247-791-00	CARBON	22	5%	1/6W	
R168	1-247-791-00	CARBON	22	5%	1/6W	
R171	1-247-791-00	CARBON	22	5%	1/6W	
R172	1-247-791-00	CARBON	22	5%	1/6W	
R173	1-247-791-00	CARBON	22	5%	1/6W	

Ref.No.	Part No.	Description				Remark
R176	1-249-429-11	CARBON	10K	5%	1/6W	
R178	1-249-433-11	CARBON	22K	5%	1/6W	
R179	1-249-421-11	CARBON	2.2K	5%	1/6W	
R180	1-249-421-11	CARBON	2.2K	5%	1/6W	
R181	1-249-421-11	CARBON	2.2K	5%	1/6W	
R182	1-247-839-00	CARBON	2.2K	5%	1/6W	
R183	1-249-433-11	CARBON	22K	5%	1/6W	
R184	1-249-437-11	CARBON	47K	5%	1/6W	
R185	1-249-417-11	CARBON	1K	5%	1/6W	
R186	1-249-417-11	CARBON	1K	5%	1/6W	
R187	1-249-417-11	CARBON	1K	5%	1/6W	
R188	1-249-417-11	CARBON	1K	5%	1/6W	
R189	1-249-417-11	CARBON	1K	5%	1/6W	
R190	1-249-417-11	CARBON	1K	5%	1/6W	
R191	1-249-417-11	CARBON	1K	5%	1/6W	
R192	1-247-717-11	CARBON	2.2K	5%	1/4W	
R193	1-249-425-11	CARBON	4.7K	5%	1/6W	
R194	1-249-405-11	CARBON	100	5%	1/6W	
R195	1-249-441-11	CARBON	100K	5%	1/6W	
R196	1-249-405-11	CARBON	100	5%	1/6W	
R198	1-249-433-11	CARBON	22K	5%	1/6W	
R199	1-249-437-11	CARBON	47K	5%	1/6W	
R301	1-247-819-00	CARBON	330	5%	1/6W	
R302	1-247-813-00	CARBON	180	5%	1/6W	
R303	1-249-417-11	CARBON	1K	5%	1/6W	
R304	1-249-414-11	CARBON	560	5%	1/6W	
R305	1-247-836-00	CARBON	1.6K	5%	1/6W	
R306	1-247-823-00	CARBON	470	5%	1/6W	
R307	1-247-873-00	CARBON	56K	5%	1/6W	
R308	1-247-862-00	CARBON	20K	5%	1/6W	
R309	1-249-417-11	CARBON	1K	5%	1/6W	
R310	1-249-425-11	CARBON	4.7K	5%	1/6W	
R311	1-247-821-00	CARBON	390	5%	1/6W	
R312	1-247-866-00	CARBON	30K	5%	1/6W	
R313	1-247-873-00	CARBON	56K	5%	1/6W	
R314	1-247-823-00	CARBON	470	5%	1/6W	
R315	1-247-823-00	CARBON	470	5%	1/6W	
R316	1-247-823-00	CARBON	470	5%	1/6W	
R317	1-249-422-11	CARBON	2.7K	5%	1/6W	
R318	1-249-415-11	CARBON	680	5%	1/6W	
R319	1-247-711-11	CARBON	680	5%	1/4W	
R320	1-249-415-11	CARBON	680	5%	1/6W	
R321	1-249-415-11	CARBON	680	5%	1/6W	
R322	1-247-803-00	CARBON	68	5%	1/6W	
R323	1-247-833-00	CARBON	1.2K	5%	1/6W	
R324	1-247-815-00	CARBON	220	5%	1/6W	
R325	1-247-815-00	CARBON	220	5%	1/6W	
R326	1-249-421-11	CARBON	2.2K	5%	1/6W	
R327	1-249-415-11	CARBON	680	5%	1/6W	
R328	1-247-819-00	CARBON	330	5%	1/6W	
R329	1-249-415-11	CARBON	680	5%	1/6W	
R330	1-249-437-11	CARBON	47K	5%	1/6W	
R331	1-249-433-11	CARBON	22K	5%	1/6W	

Ref.No.	Part No.	Description				Remark
R333	1-247-815-00	CARBON	220	5%	1/6W	
R334	1-247-815-00	CARBON	220	5%	1/6W	
R335	1-249-417-11	CARBON	1K	5%	1/6W	
R336	1-249-417-11	CARBON	1K	5%	1/6W	
R337	1-247-713-11	CARBON	1K	5%	1/4W	
R338	1-247-815-00	CARBON	220	5%	1/6W	
R339	1-249-417-11	CARBON	1K	5%	1/6W	
R340	1-249-417-11	CARBON	1K	5%	1/6W	
R341	1-249-441-11	CARBON	100K	5%	1/6W	
R342	1-249-441-11	CARBON	100K	5%	1/6W	
R343	1-249-429-11	CARBON	10K	5%	1/6W	
R344	1-249-441-11	CARBON	100K	5%	1/6W	
R345	1-249-419-11	CARBON	1.5K	5%	1/6W	
R346	1-249-422-11	CARBON	2.7K	5%	1/6W	
R347	1-247-895-00	CARBON	470K	5%	1/6W	
R348	1-247-842-00	CARBON	3K	5%	1/6W	
R349	1-247-897-00	CARBON	560K	5%	1/6W	
R351	1-247-899-00	CARBON	680K	5%	1/6W	
R352	1-249-405-11	CARBON	100	5%	1/6W	
R353	1-249-423-11	CARBON	3.3K	5%	1/6W	
R354	1-249-417-11	CARBON	1K	5%	1/6W	
R355	1-249-433-11	CARBON	22K	5%	1/6W	
R357	1-247-829-00	CARBON	820	5%	1/6W	
R358	1-247-845-00	CARBON	3.9K	5%	1/6W	
R359	1-247-823-00	CARBON	470	5%	1/6W	
R360	1-247-833-00	CARBON	1.2K	5%	1/6W	
R381	1-249-417-11	CARBON	1K	5%	1/6W	
R382	1-247-826-00	CARBON	620	5%	1/6W	
R383	1-247-838-00	CARBON	2K	5%	1/6W	
R384	1-249-419-11	CARBON	1.5K	5%	1/6W	
R385	1-249-434-11	CARBON	27K	5%	1/6W	
R386	1-249-432-11	CARBON	18K	5%	1/6W	
R387	1-247-823-00	CARBON	470	5%	1/6W	
R388	1-249-417-11	CARBON	1K	5%	1/6W	
R389	1-247-829-00	CARBON	820	5%	1/6W	
R390	1-247-822-00	CARBON	430	5%	1/6W	
R391	1-247-819-00	CARBON	330	5%	1/6W	
R392	1-249-405-11	CARBON	100	5%	1/6W	
R393	1-249-405-11	CARBON	100	5%	1/6W	
R394	1-249-405-11	CARBON	100	5%	1/6W	
R401	1-249-405-11	CARBON	100	5%	1/6W	
R402	1-247-821-00	CARBON	390	5%	1/6W	
R403	1-249-433-11	CARBON	22K	5%	1/6W	
R404	1-247-829-00	CARBON	820	5%	1/6W	
R405	1-247-706-11	CARBON	330	5%	1/4W	
R407	1-247-815-00	CARBON	220	5%	1/6W	
R409	1-247-815-00	CARBON	220	5%	1/6W	
R410	1-249-429-11	CARBON	10K	5%	1/6W	
R411	1-249-429-11	CARBON	10K	5%	1/6W	
R412	1-249-405-11	CARBON	100	5%	1/6W	
R413	1-247-815-00	CARBON	220	5%	1/6W	
R414	1-247-704-11	CARBON	220	5%	1/4W	
R415	1-247-704-11	CARBON	220	5%	1/4W	

B

Ref.No.	Part No.	Description				Remark
R416	1-247-704-11	CARBON	220	5%	1/4W	
R418	1-249-405-11	CARBON	100	5%	1/6W	
R419	1-247-903-00	CARBON	1M	5%	1/6W	
R420	1-247-725-11	CARBON	10K	5%	1/4W	
R421	1-247-162-00	CARBON	20K	5%	1/4W	
R422	1-247-725-11	CARBON	10K	5%	1/4W	
R423	1-247-172-00	CARBON	51K	5%	1/4W	
R424	1-249-432-11	CARBON	18K	5%	1/6W	
R425	1-247-725-11	CARBON	10K	5%	1/4W	
R426	1-247-704-11	CARBON	220	5%	1/4W	
R440	1-249-421-11	CARBON	2.2K	5%	1/6W	
R441	1-249-423-11	CARBON	3.3K	5%	1/6W	
R442	1-249-437-11	CARBON	47K	5%	1/6W	
R443	1-249-435-11	CARBON	33K	5%	1/6W	
R444	1-247-870-00	CARBON	43K	5%	1/6W	
R445	1-247-849-00	CARBON	5.6K	5%	1/6W	
R452	1-249-441-11	CARBON	100K	5%	1/6W	
R453	1-247-819-00	CARBON	330	5%	1/6W	
R454	1-247-829-00	CARBON	820	5%	1/6W	
R455	1-247-815-00	CARBON	220	5%	1/6W	
R457	1-247-845-00	CARBON	3.9K	5%	1/6W	
R459	1-249-429-11	CARBON	10K	5%	1/6W	
R460	1-249-423-11	CARBON	3.3K	5%	1/6W	
R461	1-249-423-11	CARBON	3.3K	5%	1/6W	
R470	1-249-460-11	CARBON	15K	5%	1/4W	
R472	1-247-713-11	CARBON	1K	5%	1/4W	
R473	1-249-417-11	CARBON	1K	5%	1/6W	
R474	1-249-417-11	CARBON	1K	5%	1/6W	
R475	1-247-815-00	CARBON	220	5%	1/6W	
R476	1-249-425-11	CARBON	4.7K	5%	1/6W	
R477	1-249-425-11	CARBON	4.7K	5%	1/6W	
R479	1-249-435-11	CARBON	33K	5%	1/6W	
R480	1-247-815-00	CARBON	220	5%	1/6W	
R481	1-247-815-00	CARBON	220	5%	1/6W	
R482	1-247-848-00	CARBON	5.1K	5%	1/6W	
R483	1-247-815-00	CARBON	220	5%	1/6W	
R484	1-249-441-11	CARBON	100K	5%	1/6W	
R485	1-247-891-00	CARBON	330K	5%	1/6W	
R486	1-249-429-11	CARBON	10K	5%	1/6W	
R487	1-249-417-11	CARBON	1K	5%	1/6W	
R488	1-247-887-00	CARBON	220K	5%	1/6W	
R489	1-247-851-00	CARBON	6.8K	5%	1/6W	
R490	1-249-417-11	CARBON	1K	5%	1/6W	
R491	1-249-429-11	CARBON	10K	5%	1/6W	
R492	1-249-417-11	CARBON	1K	5%	1/6W	
R493	1-249-405-11	CARBON	100	5%	1/6W	
R494	1-249-433-11	CARBON	22K	5%	1/6W	
R495	1-249-429-11	CARBON	10K	5%	1/6W	
R496	1-247-857-00	CARBON	12K	5%	1/6W	
R497	1-247-844-00	CARBON	3.6K	5%	1/6W	
R498	1-249-421-11	CARBON	2.2K	5%	1/6W	
R499	1-249-429-11	CARBON	10K	5%	1/6W	
R1101	1-249-441-11	CARBON	100K	5%	1/6W	

Ref.No.	Part No.	Description				Remark
R1102	1-247-719-11	CARBON	3.3K	5%	1/4W	
R1103	1-249-441-11	CARBON	100K	5%	1/6W	
R1301	1-247-704-11	CARBON	220	5%	1/4W	
R1302	1-247-859-00	CARBON	15K	5%	1/6W	
R1303	1-247-857-00	CARBON	12K	5%	1/6W	
R1304	1-247-881-00	CARBON	120K	5%	1/6W	
R1305	1-247-887-00	CARBON	220K	5%	1/6W	
R1306	1-247-887-00	CARBON	220K	5%	1/6W	
R1307	1-249-433-11	CARBON	22K	5%	1/6W	
R1308	1-249-429-11	CARBON	10K	5%	1/6W	
R1309	1-249-433-11	CARBON	22K	5%	1/6W	
R1310	1-249-433-11	CARBON	22K	5%	1/6W	
R1311	1-249-417-11	CARBON	1K	5%	1/6W	
R1312	1-249-429-11	CARBON	10K	5%	1/6W	
R1313	1-249-429-11	CARBON	10K	5%	1/6W	
R1314	1-249-434-11	CARBON	27K	5%	1/6W	
R1315	1-247-845-00	CARBON	3.9K	5%	1/6W	
R1316	1-247-815-00	CARBON	220	5%	1/6W	
R1317	1-249-433-11	CARBON	22K	5%	1/6W	
R1318	1-249-419-11	CARBON	1.5K	5%	1/6W	
R1319	1-247-819-00	CARBON	330	5%	1/6W	
R1320	1-249-405-11	CARBON	100	5%	1/6W	
R1321	1-249-421-11	CARBON	2.2K	5%	1/6W	
R1322	1-249-421-11	CARBON	2.2K	5%	1/6W	
R1323	1-247-891-00	CARBON	330K	5%	1/6W	
R1324	1-247-891-00	CARBON	330K	5%	1/6W	
R1325	1-249-417-11	CARBON	1K	5%	1/6W	
R1326 ⚠	1-216-349-51	METAL OXIDE	1	5%	1W	F
R1334	1-249-421-11	CARBON	2.2K	5%	1/6W	
R1335	1-249-405-11	CARBON	100	5%	1/6W	
R1336	1-249-429-11	CARBON	10K	5%	1/6W	
R1337	1-249-429-11	CARBON	10K	5%	1/6W	
R1338	1-247-710-11	CARBON	560	5%	1/4W	
R1339	1-247-823-00	CARBON	470	5%	1/6W	
R1340	1-247-815-00	CARBON	220	5%	1/6W	
R1341	1-247-819-00	CARBON	330	5%	1/6W	
R1342	1-247-710-11	CARBON	560	5%	1/4W	
R1343	1-247-845-00	CARBON	3.9K	5%	1/6W	
R1344	1-249-437-11	CARBON	47K	5%	1/6W	
R1345	1-247-901-00	CARBON	820K	5%	1/6W	
R1346	1-202-730-00	SOLID	8.2M	10%	1/2W	
R1347	1-249-422-11	CARBON	2.7K	5%	1/6W	
R1348	1-247-815-00	CARBON	220	5%	1/6W	
R1349	1-249-423-11	CARBON	3.3K	5%	1/6W	
R1350 ⚠	1-215-471-91	METAL	120K	1%	1/6W	
R1401	1-249-423-11	CARBON	3.3K	5%	1/6W	
R1402	1-249-423-11	CARBON	3.3K	5%	1/6W	
R1403	1-249-423-11	CARBON	3.3K	5%	1/6W	
R1404	1-249-423-11	CARBON	3.3K	5%	1/6W	
R1405	1-247-833-00	CARBON	1.2K	5%	1/6W	
R1406	1-249-417-11	CARBON	1K	5%	1/6W	
R1407	1-249-417-11	CARBON	1K	5%	1/6W	
R1408	1-249-405-11	CARBON	100	5%	1/6W	

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Ref.No.	Part No.	Description				Remark
R1409	1-249-405-11	CARBON	100	5%	1/6W	
R1410	1-249-405-11	CARBON	100	5%	1/6W	
R1411	1-215-409-00	METAL	330	1%	1/6W	
R1412	1-249-417-11	CARBON	1K	5%	1/6W	
R1413	1-214-727-00	METAL	820	1%	1/4W	
R1414	1-214-727-00	METAL	820	1%	1/4W	
R1415	1-247-838-00	CARBON	2K	5%	1/6W	
R1416	1-249-417-11	CARBON	1K	5%	1/6W	
R1417	1-215-409-00	METAL	330	1%	1/6W	
R1418	1-215-409-00	METAL	330	1%	1/6W	
R1419	1-215-409-00	METAL	330	1%	1/6W	
R1420	1-215-409-00	METAL	330	1%	1/6W	
R1421	1-247-833-00	CARBON	1.2K	5%	1/6W	
R1422	1-249-429-11	CARBON	10K	5%	1/6W	
R1423	1-249-423-11	CARBON	3.3K	5%	1/6W	
R1424	1-247-869-00	CARBON	39K	5%	1/6W	
R1425	1-249-432-11	CARBON	18K	5%	1/6W	
R1426	1-249-421-11	CARBON	2.2K	5%	1/6W	
R1427	1-249-421-11	CARBON	2.2K	5%	1/6W	
R1428	1-247-829-00	CARBON	820	5%	1/6W	
R1429	1-215-421-00	METAL	1K	1%	1/6W	
R1430	1-215-432-00	METAL	3K	1%	1/6W	
R1431	1-249-429-11	CARBON	10K	5%	1/6W	
R1432	1-249-429-11	CARBON	10K	5%	1/6W	
R1433	1-249-441-11	CARBON	100K	5%	1/6W	

VARIABLE RESISTOR

Ref.No.	Part No.	Description
RV301	1-228-718-00	RES, ADJ, CERAMIC CARBON 330
RV401	1-228-724-00	RES, ADJ, CERAMIC CARBON 10K
RV402	1-228-724-00	RES, ADJ, CERAMIC CARBON 10K
RV403	1-228-724-00	RES, ADJ, CERAMIC CARBON 10K
RV471	1-228-724-00	RES, ADJ, CERAMIC CARBON 10K
RV472	1-228-724-00	RES, ADJ, CERAMIC CARBON 10K
RV1401	1-228-719-00	RES, ADJ, CERAMIC CARBON 470
RV1402	1-228-719-00	RES, ADJ, CERAMIC CARBON 470
RV1403	1-228-724-00	RES, ADJ, CERAMIC CARBON 10K

TRANSFORMER

Ref.No.	Part No.	Description
T301	1-425-786-00	TRANSFORMER, BANDPASS(BPT)

CRYSTAL

Ref.No.	Part No.	Description
X101	1-567-192-11	OSCILLATOR, CERAMIC
X401	1-527-722-00	OSCILLATOR, CRYSTAL

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*1-619-318-11 B2 BOARD
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CAPACITOR

Ref.No.	Part No.	Description				Remark
C309	1-101-006-00	CERAMIC	0.047MF		50V	
C310	1-123-318-00	ELECT	33MF	20%	16V	
C313	1-123-307-00	ELECT	100MF	20%	10V	
C314	1-102-963-00	CERAMIC	33PF	5%	50V	
C315	1-123-307-00	ELECT	100MF	20%	10V	
C322	1-102-971-00	CERAMIC	82PF	5%	50V	
C323	1-123-307-00	ELECT	100MF	20%	10V	

DELAY LINE

Ref.No.	Part No.	Description
DL303	1-415-509-11	DELAY LINE
DL304	1-415-509-11	DELAY LINE

CONNECTOR

Ref.No.	Part No.	Description
P201	*1-562-516-11	CONNECTOR, BOARD TO BOARD 5P

TRANSISTOR

Ref.No.	Part No.	Description
Q310	8-729-178-54	TRANSISTOR 2SC2785
Q311	8-729-117-54	TRANSISTOR 2SA1175
Q312	8-729-117-54	TRANSISTOR 2SA1175
Q319	8-729-117-54	TRANSISTOR 2SA1175
Q320	8-729-178-54	TRANSISTOR 2SC2785
Q321	8-729-178-54	TRANSISTOR 2SC2785

RESISTOR

Ref.No.	Part No.	Description				Remark
R361	1-247-845-00	CARBON	3.9K	5%	1/6W	
R362	1-249-433-11	CARBON	22K	5%	1/6W	
R363	1-249-421-11	CARBON	2.2K	5%	1/6W	
R364	1-249-417-11	CARBON	1K	5%	1/6W	
R365	1-249-417-11	CARBON	1K	5%	1/6W	
R366	1-247-833-00	CARBON	1.2K	5%	1/6W	
R367	1-249-417-11	CARBON	1K	5%	1/6W	
R368	1-249-417-11	CARBON	1K	5%	1/6W	
R369	1-249-417-11	CARBON	1K	5%	1/6W	
R370	1-249-421-11	CARBON	2.2K	5%	1/6W	
R371	1-249-417-11	CARBON	1K	5%	1/6W	
R372	1-249-420-11	CARBON	1.8K	5%	1/6W	
R373	1-249-421-11	CARBON	2.2K	5%	1/6W	
R374	1-249-414-11	CARBON	560	5%	1/6W	
R375	1-249-419-11	CARBON	1.5K	5%	1/6W	
R376	1-247-821-00	CARBON	390	5%	1/6W	
R377	1-247-821-00	CARBON	390	5%	1/6W	
R378	1-249-421-11	CARBON	2.2K	5%	1/6W	
R379	1-249-435-11	CARBON	33K	5%	1/6W	
R380	1-247-859-00	CARBON	15K	5%	1/6W	

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*1-619-285-11 F BOARD
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CAPACITOR

Ref.No.	Part No.	Description				Remark
C601	⚠1-136-346-11	FILM	0.22MF	20%	125V	
C602	⚠1-136-346-11	FILM	0.22MF	20%	125V	
C603	⚠1-162-578-51	CERAMIC	0.0047MF	20%	400V	
C604	⚠1-162-578-51	CERAMIC	0.0047MF	20%	400V	
C605	1-162-578-00	CERAMIC	0.0047MF	20%	400V	
C606	1-162-578-00	CERAMIC	0.0047MF	20%	400V	

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F **GA**

Ref.No.	Part No.	Description			Remark
C607	1-125-295-00	ELECT(BLOCK) 560MF	20%	200V	
C608	1-125-295-00	ELECT(BLOCK) 560MF	20%	200V	
C611 ⚠	1-162-578-51	CERAMIC 0.0047MF	20%	400V	
C612 ⚠	1-162-578-51	CERAMIC 0.0047MF	20%	400V	
		DIODE			
D601	8-719-911-55	DIODE U05G			
D602	8-719-911-55	DIODE U05G			
D603 ⚠	8-719-938-40	DIODE SIB01-02V1			
		CONNECTOR			
F1	*1-508-765-00	3P PLUG (M)			
F2	*1-566-063-11	PIN, CONNECTOR 11P			
F3	*1-508-765-00	3P PLUG (M)			
F4	*1-508-765-00	3P PLUG (M)			
F5	*1-508-784-00	1P PLUG			
F6	*1-506-371-00	2P PLUG (L)			
F7	*1-508-765-00	3P PLUG (M)			
F8	1-506-348-XX	4P PLUG			
F9	*1-508-784-00	1P PLUG			
F10	1-506-348-XX	3P PLUG (L)			
F11	*1-508-784-00	1P PLUG			
		FUSE			
F601 ⚠	1-532-627-11	FUSE, GLASS TUBE 7A/125V			
	1-533-190-11	CLIP, FUSE; F601			
		COIL			
L601	1-407-780-00	COIL, SPOOK CHOKE			
		RESISTOR			
R601 ⚠	1-202-719-91	SOLID 1M	10%	1/2W	
R602 ⚠	1-202-723-91	SOLID 2.2M	10%	1/2W	
R603	1-244-923-00	CARBON 120K	5%	1/2W	
R604	1-244-923-00	CARBON 120K	5%	1/2W	
		RELAY			
RL601 ⚠	1-515-491-11	RELAY (POWER)			
		TRANSFORMER			
T601 ⚠	1-421-730-11	LFT			
T602 ⚠	1-421-730-11	LFT			
T603 ⚠	1-448-755-11	TRANSFORMER, POWER			
		THERMISTOR			
THP601 ⚠	1-806-214-21	THERMISTOR (POSITIVE)			
THP602 ⚠	1-800-686-42	THERMISTOR (POSITIVE)			

Ref.No.	Part No.	Description				Remark
	*1-613-423-11	GA BOARD				
		********				
		CAPACITOR				
C652	1-136-103-00	FILM	0.1MF	5%	200V	
C654	1-136-103-00	FILM	0.1MF	5%	200V	
C655	1-136-131-00	FILM	0.12MF	5%	400V	
C656	1-162-578-00	CERAMIC	0.0047MF	20%	400V	
C671	1-136-120-00	FILM	0.22MF	5%	400V	
C672	1-162-318-11	CERAMIC	0.001MF	10%	500V	
C673	1-162-318-11	CERAMIC	0.001MF	10%	500V	
C675	1-162-318-11	CERAMIC	0.001MF	10%	500V	
C677	1-162-318-11	CERAMIC	0.001MF	10%	500V	
C680	1-102-030-00	CERAMIC	330PF	10%	500V	
C681	1-102-030-00	CERAMIC	330PF	10%	500V	
		DIODE				
D651	8-719-302-11	DIODE RM2CSS				
D652	8-719-901-93	DIODE V19E				
D653	8-719-302-11	DIODE RM2CSS				
D654	8-719-901-93	DIODE V19E				
		CONNECTOR				
G4	*1-508-765-00	3P PLUG (M)				
		COIL				
L651	1-425-612-00	COIL, ARE-CORE				
L652	1-425-612-00	COIL, ARE-CORE				
L660	1-425-612-00	COIL, ARE-CORE				
L661	1-425-612-00	COIL, ARE-CORE				
		TRANSISTOR				
Q651 ⚠	8-729-905-49	TRANSISTOR 2SC3163-T				
	4-374-104-01	HOLDER, TR; Q651				
	4-374-108-01	SPACER, MICA; Q651				
Q652 ⚠	8-729-905-49	TRANSISTOR 2SC3163-T				
	4-374-104-01	HOLDER, TR; Q652				
	4-374-108-01	SPACER, MICA; Q652				
		RESISTOR				
R651	1-215-926-00	METAL OXIDE	33K	5%	3W	F
R652	1-215-926-00	METAL OXIDE	33K	5%	3W	F
R653	1-202-846-00	SOLID	470K	10%	1/2W	
R655	1-206-439-00	METAL OXIDE	1	5%	2W	F
R656	1-206-439-00	METAL OXIDE	1	5%	2W	F
R660	1-202-846-00	SOLID	470K	10%	1/2W	
R662 ⚠	1-207-451-11	WIREWOUND	0.1	10%	1/2W	
		TRANSFORMER				
T651 ⚠	1-421-695-11	CDT				
T652 ⚠	1-421-710-11	PRT				

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Ref.No.	Part No.	Description			Remark
	*1-613-424-11	GB BOARD ********			
	1-407-364-00	COIL, SPOOK CHOKE 3.3UH			
	*3-701-946-22	LABEL, FUSE			
		CAPACITOR			
C656	1-106-196-00	MYLAR	0.01MF	10%	100V
C658	1-124-125-91	ELECT	22MF	20%	25V
C659	1-129-710-00	FILM	0.0047MF	10%	630V
C660	1-129-710-00	FILM	0.0047MF	10%	630V
C661	1-136-240-11	FILM	0.014MF	5%	1KV
C662 ⚠	1-125-294-11	ELECT(BLOCK)	560MF	20%	160V
C663	1-162-318-11	CERAMIC	0.001MF	10%	500V
C664	1-162-318-11	CERAMIC	0.001MF	10%	500V
C665 ⚠	1-123-338-51	ELECT	2200MF	20%	25V
C666 ⚠	1-123-324-51	ELECT	1000MF	20%	16V
C667	1-162-318-11	CERAMIC	0.001MF	10%	500V
C668	1-162-318-11	CERAMIC	0.001MF	10%	500V
C669 ⚠	1-123-877-51	ELECT	470MF	20%	35V
C670 ⚠	1-123-877-51	ELECT	470MF	20%	35V
C682	1-101-006-00	CERAMIC	0.047MF		50V
C684	1-124-038-00	ELECT	1MF	20%	50V
		DIODE			
D655	8-719-300-09	DIODE CTU-24S			
	*4-347-706-00	HEAT SINK (TR); D655			
D656 ⚠	8-719-301-09	DIODE CTL-12S			
D657	8-719-982-04	DIODE ERB81-004			
D658 ⚠	8-719-301-09	DIODE CTL-12S			
D659 ⚠	8-719-301-09	DIODE CTL-12S			
D661	8-719-982-04	DIODE ERB81-004			
		FUSE			
F651 ⚠	1-532-593-11	FUSE, GLASS TUBE 1.6A/125V			
		CONNECTOR			
G5	*1-508-765-00	3P PLUG (M)			
		MODULE			
IC651 ⚠	1-235-445-11	MODULE, POWER (DM-21)			
		COIL			
L653	1-407-780-00	COIL, SPOOK CHOKE			
L654	1-407-365-00	COIL, CHOKE			
L655	1-407-364-00	COIL, SPOOK CHOKE 3.3UH			
L656	1-459-406-00	COIL (WITH CORE)			
L657	1-408-225-00	MICRO INDUCTOR 3.3UH			
L658	1-407-365-00	COIL, CHOKE			
L659	1-407-780-00	COIL, SPOOK CHOKE			
L662	1-407-720-00	CHOKE COIL			

Ref.No.	Part No.	Description				Remark
		RESISTOR				
R657 ⚠	1-206-700-61	METAL OXIDE	33K	5%	2W	F
R658 ⚠	1-246-987-11	CARBON	47	5%	1/8W	F
R659 ⚠	1-246-987-11	CARBON	47	5%	1/8W	F
R661 ⚠	1-202-653-15	SOLID	2.2M	5%	1/2W	
		TRANSFORMER				
T653 ⚠	1-421-894-11	PIT				

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Ref.No.	Part No.	Description			
	*A-1330-784-A	C BOARD, COMPLETE *****************			
	1-526-644-71	SOCKET, CRT			
		CONNECTOR			
C1 ⚠	*1-506-371-21	2P PLUG (L)			
C2	*1-566-054-11	PIN, CONNECTOR 2P			
C3	*1-566-055-11	PIN, CONNECTOR 3P			
C5	*1-566-061-11	PIN, CONNECTOR 9P			
C6	*1-566-054-11	PIN, CONNECTOR 2P			
C7	*1-508-768-00	6P PLUG			
C8	*1-508-784-00	1P PLUG			
		CAPACITOR			
C701	1-162-115-00	CERAMIC	330PF	10%	2KV
C702	1-129-779-00	FILM	0.022MF	20%	1KV
C703	1-123-383-00	ELECT	4.7MF	20%	100V
C704	1-123-948-00	ELECT	22MF	20%	250V
C705	1-108-433-00	MYLAR	0.1MF	10%	200V
C706	1-108-433-00	MYLAR	0.1MF	10%	200V
C707	1-102-116-00	CERAMIC	680PF	10%	50V
C708	1-102-116-00	CERAMIC	680PF	10%	50V
C709	1-102-116-00	CERAMIC	680PF	10%	50V
C710	1-102-115-00	CERAMIC	560PF	10%	50V
C711	1-123-356-00	ELECT	10MF	20%	25V
C712	1-102-115-00	CERAMIC	560PF	10%	50V
C713	1-102-116-00	CERAMIC	680PF	10%	50V
C714	1-123-321-00	ELECT	220MF	20%	16V
C715	1-102-125-00	CERAMIC	0.0047MF	10%	50V
C718	1-102-125-00	CERAMIC	0.0047MF	10%	50V
C723	1-108-634-81	MYLAR	0.047MF	10%	100V
C753	1-102-971-00	CERAMIC	82PF	5%	50V
C754	1-108-617-91	MYLAR	0.0018MF	10%	100V
C755	1-123-356-00	ELECT	10MF	20%	25V
C756	1-106-196-00	MYLAR	0.01MF	10%	100V
C757	1-106-196-00	MYLAR	0.01MF	10%	100V
C758	1-102-963-00	CERAMIC	33PF	5%	50V
C759	1-102-963-00	CERAMIC	33PF	5%	50V
C760	1-108-614-91	MYLAR	0.001MF	10%	100V
C762	1-106-196-00	MYLAR	0.01MF	10%	100V
C763	1-123-356-00	ELECT	10MF	20%	50V

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Ref.No.	Part No.	Description				Remark
C764	1-106-220-00	MYLAR	0.1MF	10%	100V	
C765	1-123-380-00	ELECT	1MF	20%	50V	
C766	1-123-360-00	ELECT	100MF	20%	50V	
		DIODE				
D701	8-719-911-19	DIODE 1SS119				
D702	8-719-911-19	DIODE 1SS119				
D703	8-719-911-19	DIODE 1SS119				
D704	8-719-911-19	DIODE 1SS119				
D705	8-719-911-19	DIODE 1SS119				
D706	8-719-911-19	DIODE 1SS119				
D707	8-719-911-19	DIODE 1SS119				
D708	8-719-911-19	DIODE 1SS119				
D709	8-719-911-19	DIODE 1SS119				
D710	8-719-901-83	DIODE 1SS83				
D711	8-719-901-83	DIODE 1SS83				
D712	8-719-901-83	DIODE 1SS83				
D713	8-719-901-83	DIODE 1SS83				
D751	8-719-911-19	DIODE 1SS119				
D752	8-719-911-19	DIODE 1SS119				
		COIL				
L701	1-407-701-00	MICRO INDUCTOR 47UH				
L702	1-407-708-00	MICRO INDUCTOR 180UH				
L703	1-407-706-00	MICRO INDUCTOR 120UH				
L704	1-407-694-00	MICRO INDUCTOR 12UH				
L705	1-407-696-00	MICRO INDUCTOR 18UH				
L706	1-407-709-00	MICRO INDUCTOR 220UH				
L707	1-407-695-00	MICRO INDUCTOR 15UH				
L721	1-408-446-11	MICRO INDUCTOR 22UH				
L751	1-408-399-00	MICRO INDUCTOR 1.5UH				
		TRANSISTOR				
Q701	8-729-326-11	TRANSISTOR 2SC2611				
Q702	8-729-178-54	TRANSISTOR 2SC2785				
Q703	8-729-200-17	TRANSISTOR 2SA1091				
Q704	8-729-326-11	TRANSISTOR 2SC2611				
Q705	8-729-178-54	TRANSISTOR 2SC2785				
Q706	8-729-200-17	TRANSISTOR 2SA1091				
Q707	8-729-200-17	TRANSISTOR 2SA1091				
Q708	8-729-326-11	TRANSISTOR 2SC2611				
Q709	8-729-178-54	TRANSISTOR 2SC2785				
Q710	8-729-255-12	TRANSISTOR 2SC2551				
Q712	8-729-255-12	TRANSISTOR 2SC2551				
Q714	8-729-200-17	TRANSISTOR 2SA1091				
Q715	8-729-200-17	TRANSISTOR 2SA1091				
Q716	8-729-200-17	TRANSISTOR 2SA1091				
Q751	8-729-178-54	TRANSISTOR 2SC2785				
Q752	8-729-178-54	TRANSISTOR 2SC2785				
Q753	8-729-178-54	TRANSISTOR 2SC2785				
Q754	8-729-177-43	TRANSISTOR 2SD774				
Q755	8-729-178-54	TRANSISTOR 2SC2785				
Q756	8-729-374-02	TRANSISTOR 2SB740				

Ref.No.	Part No.	Description				Remark
Q757	⚠ 8-729-177-42	TRANSISTOR 2SD774-3				
		RESISTOR				
R701	⚠ 1-212-352-61	METAL OXIDE	0.22	5%	1W	F
R702	1-202-846-00	SOLID	470K	10%	1/2W	
R703	1-202-844-00	SOLID	330K	10%	1/2W	
R704	1-202-815-11	SOLID	47K	10%	1/2W	
R705	1-202-846-00	SOLID	470K	10%	1/2W	
R706	1-202-720-00	SOLID	1.2M	10%	1/2W	
R707	1-202-842-11	SOLID	220K	10%	1/2W	
R708	1-202-818-00	SOLID	1K	10%	1/2W	
R709	1-202-818-00	SOLID	1K	10%	1/2W	
R710	1-202-818-00	SOLID	1K	10%	1/2W	
R711	1-202-549-00	SOLID	100	10%	1/2W	
R712	1-202-543-00	SOLID	56	10%	1/2W	
R713	1-216-486-00	METAL OXIDE	8.2K	5%	3W	F
R714	1-247-815-00	CARBON	220	5%	1/6W	
R715	1-249-429-11	CARBON	10K	5%	1/6W	
R716	1-216-486-00	METAL OXIDE	8.2K	5%	3W	F
R717	1-247-815-00	CARBON	220	5%	1/6W	
R720	1-216-486-00	METAL OXIDE	8.2K	5%	3W	F
R721	1-247-815-00	CARBON	220	5%	1/6W	
R722	1-249-405-11	CARBON	100	5%	1/6W	
R723	1-247-700-11	CARBON	100	5%	1/4W	
R724	1-249-405-11	CARBON	100	5%	1/6W	
R725	1-249-429-11	CARBON	10K	5%	1/6W	
R726	1-247-813-00	CARBON	180	5%	1/6W	
R727	1-249-429-11	CARBON	10K	5%	1/6W	
R728	1-247-813-00	CARBON	180	5%	1/6W	
R729	1-249-441-11	CARBON	100K	5%	1/6W	
R730	1-247-812-00	CARBON	160	5%	1/6W	
R731	1-247-719-11	CARBON	3.3K	5%	1/4W	F
R732	1-247-719-11	CARBON	3.3K	5%	1/4W	F
R733	1-247-719-11	CARBON	3.3K	5%	1/4W	F
R734	1-247-715-11	CARBON	1.5K	5%	1/4W	
R735	1-246-476-00	CARBON	1.3K	5%	1/4W	
R736	1-246-476-00	CARBON	1.3K	5%	1/4W	
R737	1-249-441-11	CARBON	100K	5%	1/6W	
R739	1-247-881-00	CARBON	120K	5%	1/6W	
R740	⚠ 1-215-902-51	METAL OXIDE	47K	5%	2W	F
R741	1-247-873-00	CARBON	56K	5%	1/6W	
R742	1-247-725-11	CARBON	10K	5%	1/4W	F
R743	1-247-725-11	CARBON	10K	5%	1/4W	F
R744	1-247-725-11	CARBON	10K	5%	1/4W	F
R745	⚠ 1-247-713-51	CARBON	1K	5%	1/4W	F
R746	⚠ 1-215-879-51	METAL OXIDE	47K	5%	1W	F
R747	1-247-725-11	CARBON	10K	5%	1/4W	F
R751	1-247-704-11	CARBON	220	5%	1/4W	
R752	1-247-815-00	CARBON	220	5%	1/6W	
R753	1-247-833-00	CARBON	1.2K	5%	1/6W	
R754	1-247-821-00	CARBON	390	5%	1/6W	
R755	⚠ 1-215-871-51	METAL OXIDE	2.2K	5%	1W	F
R756	1-249-414-11	CARBON	560	5%	1/6W	

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Ref.No.	Part No.	Description				Remark
R757	1-247-849-00	CARBON	5.6K	5%	1/6W	
R758	1-249-435-11	CARBON	33K	5%	1/6W	
R759	1-249-393-11	CARBON	10	5%	1/6W	F
R760	1-247-819-00	CARBON	330	5%	1/6W	
R761	1-247-815-00	CARBON	220	5%	1/6W	
R762	1-247-815-00	CARBON	220	5%	1/6W	
R763	1-249-437-11	CARBON	47K	5%	1/6W	
R764	1-249-397-11	CARBON	22	5%	1/6W	F
R765	1-249-417-11	CARBON	1K	5%	1/6W	
R766	1-249-435-11	CARBON	33K	5%	1/6W	
R767	1-249-441-11	CARBON	100K	5%	1/6W	
R768	1-249-435-11	CARBON	33K	5%	1/6W	
R769	1-249-417-11	CARBON	1K	5%	1/6W	
R770	1-249-389-11	CARBON	4.7	5%	1/6W	F
R771	1-249-389-11	CARBON	4.7	5%	1/6W	F
R772	1-247-801-00	CARBON	56	5%	1/6W	

VARIABLE RESISTOR

Ref.No.	Part No.	Description
RV701	1-226-157-00	RES, ADJ, METAL GLAZE 1M
RV703	1-228-729-00	RES, ADJ, CERAMIC CARBON 220K
RV705	1-228-727-00	RES, ADJ, CERAMIC CARBON 47K
RV706	1-228-724-00	RES, ADJ, CERAMIC CARBON 10K

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*A-1340-936-A D2 BOARD, COMPLETE
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CAPACITOR

Ref.No.	Part No.	Description			
C2501	1-108-618-91	MYLAR	0.0022MF	10%	100V
C2502	1-108-632-81	MYLAR	0.033MF	10%	100V
C2503	1-108-620-91	MYLAR	0.0033MF	10%	100V
C2504	1-102-074-00	CERAMIC	0.001MF	10%	50V
C2505	1-106-196-00	MYLAR	0.01MF	10%	100V
C2506	1-108-620-91	MYLAR	0.0033MF	10%	100V
C2507	1-106-196-00	MYLAR	0.01MF	10%	100V
C2508	1-123-351-00	ELECT	0.47MF	20%	50V
C2509	1-123-356-00	ELECT	10MF	20%	50V
C2510	1-123-356-00	ELECT	10MF	20%	50V
C2511	1-123-359-00	ELECT	47MF	20%	50V
C2512	1-123-359-00	ELECT	47MF	20%	50V
C2513	1-123-357-00	ELECT	22MF	20%	50V
C2514	1-123-361-00	ELECT	220MF	20%	50V
C2515	1-123-333-00	ELECT	100MF	20%	25V
C2516	1-123-360-00	ELECT	100MF	20%	50V
C2517	1-129-701-00	FILM	0.01MF	5%	100V
C2518	1-102-231-11	CERAMIC	47PF	10%	500V
C2520	1-123-380-00	ELECT	1MF	20%	50V
C2521	1-108-849-00	MYLAR	0.1MF	10%	50V
C2522	1-123-332-00	ELECT	47MF	20%	25V
C2523	1-108-637-00	MYLAR	0.082MF	10%	100V
C2524	1-106-222-00	MYLAR	0.12MF	10%	100V
C2525	1-123-351-00	ELECT	0.47MF	20%	50V
C2526	1-108-634-81	MYLAR	0.047MF	10%	100V
C2527	1-108-614-91	MYLAR	0.001MF	10%	100V
C2530	1-106-224-00	MYLAR	0.15MF	10%	100V
C2532	1-106-196-00	MYLAR	0.01MF	10%	100V
C2535	1-108-630-91	MYLAR	0.022MF	10%	100V
C2536	1-123-351-00	ELECT	0.47MF	20%	50V
C2537	1-123-332-00	ELECT	47MF	20%	25V
C2538	1-123-369-00	ELECT	4.7MF	20%	50V

CONNECTOR

Ref.No.	Part No.	Description
D21	*1-566-058-11	PIN, CONNECTOR 6P
D22	*1-508-767-00	5P PLUG
D23	*1-508-766-00	4P PLUG (M)
D24	*1-508-765-00	3P PLUG (M)
D25	*1-508-784-00	1P PLUG
D26	*1-566-054-11	PIN, CONNECTOR 2P

DIODE

Ref.No.	Part No.	Description
D2501	8-719-911-19	DIODE 1SS119
D2502	8-719-920-02	DIODE ERB12-02
D2503	8-719-920-02	DIODE ERB12-02
D2504	8-719-911-19	DIODE 1SS119
D2505	8-719-911-19	DIODE 1SS119
D2506	8-719-920-02	DIODE ERB12-02
D2507	8-719-110-51	DIODE RD20ES-B

COIL

Ref.No.	Part No.	Description
L2501	1-407-877-00	MICRO INDUCTOR 15MMH
L2502	1-459-119-00	COIL, DUST CORE(ARC)
L2503	1-407-504-00	MICRO INDUCTOR 10MMH
L2504	1-459-583-11	COIL (WITH CORE)
L2505	1-443-012-00	TRANSFORMER, DYNAMIC CONVERSION
L2506	1-459-123-00	COIL, DUST CORE(PAC)

TRANSISTOR

Ref.No.	Part No.	Description
Q2501	8-729-178-54	TRANSISTOR 2SC2785
Q2502	8-729-178-54	TRANSISTOR 2SC2785
Q2503	8-729-178-54	TRANSISTOR 2SC2785
Q2504	8-729-178-54	TRANSISTOR 2SC2785
Q2505	8-729-178-54	TRANSISTOR 2SC2785
Q2506	8-729-122-02	TRANSISTOR 2SA1220A
Q2507	8-729-169-02	TRANSISTOR 2SC2690A
Q2510	8-729-195-82	TRANSISTOR 2SC2958
Q2511	**⚠8-729-101-54**	**TRANSISTOR 2SA1175TP-F**
Q2512	8-729-122-02	TRANSISTOR 2SA1220A
Q2515	8-729-117-54	TRANSISTOR 2SA1175
Q2516	8-729-178-54	TRANSISTOR 2SC2785

RESISTOR

Ref.No.	Part No.	Description			
R2501	1-249-435-11	CARBON	33K	5%	1/6W
R2502	1-249-429-11	CARBON	10K	5%	1/6W
R2503	1-249-435-11	CARBON	33K	5%	1/6W
R2504	1-249-429-11	CARBON	10K	5%	1/6W

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T.C. Corp
10 North Main St
Wharton NJ 07885
www.servicemanuals.net

D2 **D**

Ref.No.	Part No.	Description				Remark
R2505	1-249-420-11	CARBON	1.8K	5%	1/6W	
R2506	1-249-429-11	CARBON	10K	5%	1/6W	
R2507	1-249-437-11	CARBON	47K	5%	1/6W	
R2508	1-249-437-11	CARBON	47K	5%	1/6W	
R2509	1-247-833-00	CARBON	1.2K	5%	1/6W	
R2510	1-247-873-00	CARBON	56K	5%	1/6W	
R2511	1-247-875-00	CARBON	68K	5%	1/6W	
R2512	1-249-429-11	CARBON	10K	5%	1/6W	
R2513	1-249-417-11	CARBON	1K	5%	1/6W	
R2514 ⚠	1-246-449-75	CARBON	100	5%	1/4W	
R2515	1-247-875-00	CARBON	68K	5%	1/6W	
R2516	1-249-425-11	CARBON	4.7K	5%	1/6W	
R2517	1-247-875-00	CARBON	68K	5%	1/6W	
R2518	1-247-875-00	CARBON	68K	5%	1/6W	
R2519	1-249-437-11	CARBON	47K	5%	1/6W	
R2520	1-249-421-11	CARBON	2.2K	5%	1/6W	
R2521	1-247-875-00	CARBON	68K	5%	1/6W	
R2522	1-247-857-00	CARBON	12K	5%	1/6W	
R2523	1-249-423-11	CARBON	3.3K	5%	1/6W	
R2524	1-247-849-00	CARBON	5.6K	5%	1/6W	
R2525	1-247-849-00	CARBON	5.6K	5%	1/6W	
R2526	1-249-423-11	CARBON	3.3K	5%	1/6W	
R2527	1-249-433-11	CARBON	22K	5%	1/6W	
R2528	1-249-425-11	CARBON	4.7K	5%	1/6W	
R2529	1-249-433-11	CARBON	22K	5%	1/6W	
R2530	1-249-423-11	CARBON	3.3K	5%	1/6W	
R2531	1-249-401-11	CARBON	47	5%	1/6W	F
R2532	1-249-401-11	CARBON	47	5%	1/6W	F
R2533 ⚠	1-249-399-51	CARBON	33	5%	1/4W	F
R2534	1-249-429-11	CARBON	10K	5%	1/6W	
R2540	1-249-434-11	CARBON	27K	5%	1/6W	
R2541	1-247-883-00	CARBON	150K	5%	1/6W	
R2542	1-216-426-11	METAL OXIDE	82	5%	1W	F
R2543	1-216-421-11	METAL OXIDE	12	5%	1W	F
R2544 ⚠	1-215-884-51	METAL OXIDE	47	5%	2W	F
R2545	1-249-421-11	CARBON	2.2K	5%	1/6W	
R2546	1-247-706-11	CARBON	330	5%	1/4W	
R2547	1-249-435-11	CARBON	33K	5%	1/6W	
R2548	1-247-875-00	CARBON	68K	5%	1/6W	
R2549	1-247-895-00	CARBON	470K	5%	1/6W	
R2550	1-249-429-11	CARBON	10K	5%	1/6W	
R2554	1-247-895-00	CARBON	470K	5%	1/6W	
R2555	1-247-845-00	CARBON	3.9K	5%	1/6W	
R2556	1-249-425-11	CARBON	4.7K	5%	1/6W	
R2557	1-249-429-11	CARBON	10K	5%	1/6W	
R2558	1-249-425-11	CARBON	4.7K	5%	1/6W	
R2559	1-249-433-11	CARBON	22K	5%	1/6W	
R2560	1-247-857-00	CARBON	12K	5%	1/6W	
R2561	1-249-429-11	CARBON	10K	5%	1/6W	
R2562	1-247-704-11	CARBON	220	5%	1/4W	
R2563	1-249-425-11	CARBON	4.7K	5%	1/6W	
R2564	1-249-437-11	CARBON	47K	5%	1/6W	
R2565	1-249-441-11	CARBON	100K	5%	1/6W	

Ref.No.	Part No.	Description				Remark
R2566	1-247-815-00	CARBON	220	5%	1/6W	
R2567	1-249-421-11	CARBON	2.2K	5%	1/6W	

VARIABLE RESISTOR

Ref.No.	Part No.	Description
RV2501	1-228-727-00	RES, ADJ, CERAMIC CARBON 47K
RV2502	1-228-727-00	RES, ADJ, CERAMIC CARBON 47K
RV2503	1-228-727-00	RES, ADJ, CERAMIC CARBON 47K
RV2504	1-228-724-00	RES, ADJ, CERAMIC CARBON 10K
RV2505	1-228-724-00	RES, ADJ, CERAMIC CARBON 10K

TRANSFORMER

Ref.No.	Part No.	Description
T2501	1-407-849-00	TRANSFORMER, D.F

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*A-1345-688-A D BOARD, COMPLETE
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CAPACITOR

Ref.No.	Part No.	Description				Remark
C501	1-123-380-00	ELECT	1MF	20%	50V	
C502	1-108-622-91	MYLAR	0.0047MF	10%	100V	
C503	1-108-622-91	MYLAR	0.0047MF	10%	100V	
C504	1-123-323-00	ELECT	470MF	20%	16V	
C505	1-123-379-00	ELECT	0.47MF	20%	50V	
C506	1-123-318-00	ELECT	33MF	20%	16V	
C507	1-123-379-00	ELECT	0.47MF	20%	50V	
C508	1-136-173-00	FILM	0.47MF	5%	50V	
C509	1-123-357-00	ELECT	22MF	20%	50V	
C512	1-136-161-00	FILM	0.047MF	5%	50V	
C514	1-124-609-11	ELECT	470MF	10%	50V	
C515	1-124-625-11	ELECT	22MF	10%	50V	
C516	1-123-336-00	ELECT	470MF	20%	25V	
C520	1-102-244-00	CERAMIC	220PF	10%	500V	
C521 ⚠	1-123-364-51	ELECT	1000MF	20%	50V	
C522 ⚠	1-123-875-91	ELECT	10MF	20%	50V	
C523	1-108-433-00	MYLAR	0.1MF	10%	200V	
C524	1-108-428-00	MYLAR	0.039MF	10%	200V	
C525	1-102-244-00	CERAMIC	220PF	10%	500V	
C526	1-123-931-00	ELECT	3.3MF	20%	160V	
C527	1-108-694-81	MYLAR	0.015MF	10%	200V	
C528	1-162-318-11	CERAMIC	0.001MF	10%	500V	
C531	1-123-379-00	ELECT	0.47MF	20%	50V	
C535	1-123-381-00	ELECT	2.2MF	20%	50V	
C536	1-123-381-00	ELECT	2.2MF	20%	50V	
C537	1-136-173-00	FILM	0.47MF	5%	50V	
C538	1-123-333-00	ELECT	100MF	20%	25V	
C539	1-123-380-00	ELECT	1MF	20%	50V	
C540	1-123-369-00	ELECT	4.7MF	20%	25V	
C541	1-123-369-00	ELECT	4.7MF	20%	25V	
C542	1-123-381-00	ELECT	2.2MF	20%	50V	
C543	1-123-330-00	ELECT	22MF	20%	16V	
C544	1-123-369-00	ELECT	4.7MF	20%	50V	
C545	1-123-330-00	ELECT	22MF	20%	25V	
C546	1-123-381-00	ELECT	2.2MF	20%	50V	

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Ref.No.	Part No.	Description			Remark
C547	1-123-333-00	ELECT	100MF	20%	25V
C548	1-123-321-00	ELECT	220MF	20%	16V
C551	1-123-357-00	ELECT	22MF	20%	50V
C552	1-123-356-00	ELECT	10MF	20%	50V
C555	**1-123-379-00**	ELECT	0.47MF	20%	50V
C556	1-136-173-00	FILM	0.47MF	5%	50V
C557	1-123-608-00	ELECT	0.22MF	20%	50V
C1501	1-108-634-81	MYLAR	0.047MF	10%	100V
C1502	1-106-220-00	MYLAR	0.1MF	10%	100V
C1503	1-106-200-00	MYLAR	0.015MF	10%	100V
C1504	1-123-330-00	ELECT	22MF	20%	16V
C1505	1-108-630-91	MYLAR	0.022MF	10%	100V
C1506	1-123-381-00	ELECT	2.2MF	20%	50V
C1507	1-123-332-00	ELECT	47MF	20%	25V
C1508	1-130-868-00	FILM	0.0056MF	5%	50V
C1509	1-123-369-00	ELECT	4.7MF	20%	25V
C1510	1-102-820-00	CERAMIC	330PF	5%	50V
C1511	1-123-321-00	ELECT	220MF	20%	16V
C1512	**1-123-379-00**	ELECT	0.47MF	20%	50V
C1513	1-108-634-81	MYLAR	0.047MF	10%	100V
C1520	1-102-125-00	CERAMIC	0.0047MF	10%	50V
C1521	1-108-631-81	MYLAR	0.027MF	10%	100V
C1522	1-123-333-00	ELECT	100MF	20%	25V
C1523	1-102-978-00	CERAMIC	220PF	5%	50V
C1524	1-108-704-61	MYLAR	0.1MF	10%	200V
C1525	1-162-117-00	CERAMIC	100PF	10%	500V
C1526	1-102-157-00	CERAMIC	560PF	10%	500V
C1527	1-102-038-00	CERAMIC	0.001MF		500V
C1528	1-108-698-61	MYLAR	0.033MF	10%	200V
C1529	1-102-820-00	CERAMIC	330PF	5%	50V
C1530	1-123-361-00	ELECT	220MF	20%	50V
C1531 ⚠	1-125-294-11	ELECT(BLOCK)	560MF	20%	160V
C1532	1-124-006-11	ELECT	10MF	20%	25V
C1533 ⚠	1-162-115-51	CERAMIC	330PF	10%	2KV
C1534 ⚠	1-136-330-11	FILM	0.014MF	3%	1.6KV
C1535	1-129-953-00	FILM	0.068MF	20%	1.5KV
C1536	1-123-333-00	ELECT	100MF	20%	16V
C1537	1-123-333-00	ELECT	100MF	20%	16V
C1539 ⚠	1-102-228-11	CERAMIC	470PF	10%	500V
C1540	1-162-115-00	CERAMIC	330PF	10%	2KV
C1541	1-108-630-91	MYLAR	0.022MF	10%	100V
C1542	1-136-179-00	FILM	1.5MF	5%	200V
C1543	1-102-820-00	CERAMIC	330PF	5%	50V
C1544	1-136-328-11	FILM	1MF	5%	400V
C1549	1-102-129-00	CERAMIC	0.01MF	10%	50V
C1550	1-102-973-00	CERAMIC	100PF	5%	50V
C1551	1-102-030-00	CERAMIC	330PF	10%	500V
C1552	1-106-196-00	MYLAR	0.01MF	10%	100V
C1553	**1-123-379-00**	ELECT	0.47MF	20%	50V
C1554	1-106-196-00	MYLAR	0.01MF	10%	100V
C1555	1-102-110-00	CERAMIC	220PF	10%	50V
C1556	1-123-333-00	ELECT	100MF	20%	25V
C1557	1-108-622-91	MYLAR	0.0047MF	10%	100V
C1558	1-123-330-00	ELECT	22MF	20%	16V
C1559	1-123-351-00	ELECT	0.47MF	20%	50V
C1560	1-123-351-00	ELECT	0.47MF	20%	50V
C1565	1-106-220-00	MYLAR	0.1MF	10%	100V
C1566 ⚠	1-162-115-51	CERAMIC	330PF	10%	2KV
C1567 ⚠	1-162-134-51	CERAMIC	470PF	10%	2KV
C1568 ⚠	1-130-706-11	FILM	0.008MF	3%	1.6KV
C1569 ⚠	1-129-747-11	FILM	0.047MF	10%	400V
C1570	1-129-751-00	FILM	0.1MF	20%	400V
C1571	1-102-030-00	CERAMIC	330PF	10%	500V
C1572	1-123-321-00	ELECT	220MF	20%	16V
C1576	1-123-332-00	ELECT	47MF	20%	25V
C1577	1-123-318-00	ELECT	33MF	20%	16V
C1578	1-108-630-91	MYLAR	0.022MF	10%	100V
C1579	1-106-220-00	MYLAR	0.1MF	10%	100V
C1585	1-123-357-00	ELECT	22MF	20%	50V
C1586	1-108-621-91	MYLAR	0.0039MF	10%	100V
C1587	1-131-351-00	TANTALUM	4.7MF	10%	35V
C1591	1-124-657-00	ELECT	10MF	20%	50V
C1592	1-106-367-00	MYLAR	0.01MF	10%	200V

CONNECTOR

Ref.No.	Part No.	Description
D1	*1-508-766-00	4P PLUG (M)
D2	*1-566-054-11	PIN, CONNECTOR 2P
D3	*1-566-054-11	PIN, CONNECTOR 2P
D4	*1-508-765-00	3P PLUG (M)
D5	*1-506-**348-XX**	4P PLUG
D6	*1-508-767-00	5P PLUG
D7	*1-566-056-11	PIN, CONNECTOR 4P
D8	*1-508-765-00	3P PLUG (M)
D9	*1-508-765-00	3P PLUG (M)
D10	*1-508-768-00	6P PLUG
D11	*1-508-768-00	6P PLUG
D12	*1-566-055-11	PIN, CONNECTOR 3P
D15	*1-566-058-11	PIN, CONNECTOR 6P

DIODE

Ref.No.	Part No.	Description
D501	8-719-815-55	DIODE 1S1555
D502	8-719-920-02	DIODE ERB12-02
D503	8-719-300-76	DIODE RH1A
D504	8-719-300-76	DIODE RH1A
D506	8-719-920-02	DIODE ERB12-02
D508	8-719-110-34	DIODE RD13ES-B
D510	8-719-109-88	DIODE RD5.6ES-B1
D513	8-719-110-38	DIODE RD15ES-B
D515	8-719-000-12	DIODE MC931
D516	8-719-000-12	DIODE MC931
D517	8-719-110-60	DIODE RD24ES-B
D520	8-719-190-00	DIODE RD24E-BZ7
D521	8-719-815-55	DIODE 1S1555
D522	8-719-120-**78**	DIODE RD6.2ES-L3
D1502	8-719-815-55	DIODE 1S1555
D1503	8-719-110-38	DIODE RD15ES-B

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D

Ref.No.	Part No.	Description	Remark
D1508	8-719-815-55	DIODE 1S1555	
D1509	8-719-920-02	DIODE ERB12-02	
D1510 ⚠	8-719-300-74	DIODE RH-1	
D1511	8-719-300-76	DIODE RH1A	
D1512	8-719-300-76	DIODE RH1A	
D1513	8-719-901-19	DIODE V11N	
D1515 ⚠	8-719-938-40	DIODE S1B01-02TP1	
D1516	8-719-903-09	DIODE V30N	
D1517A ⚠	8-719-906-15	DIODE ERC26-15S	
D1517B ⚠	8-719-906-15	DIODE ERC26-15S	
D1518A ⚠	8-719-928-08	DIODE ERD28-08S	
D1518B ⚠	8-719-928-08	DIODE ERD28-08S	
D1525	8-719-815-55	DIODE 1S1555	
D1527	8-719-300-76	DIODE RH1A	
D1528	8-719-926-16	DIODE ERC26-15SA	
D1529	8-719-300-76	DIODE RH1A	
D1530	8-719-300-76	DIODE RH1A	
D1531	8-719-300-38	DIODE GU-3A	
D1535	8-719-110-60	DIODE RD24ES-B	
D1536	8-719-102-65	DIODE RD4.7E-N2	
D1537	8-719-102-74	DIODE RD6.2E-N2	
D1538	8-719-815-55	DIODE 1S1555	
D1540	8-719-102-71	DIODE RD5.6E-N2	

IC

Ref.No.	Part No.	Description	Remark
IC501 ⚠	8-759-178-12	IC UPC78L12	
IC503	8-759-178-12	IC UPC78L12	
IC504	8-759-700-08	IC NJM4558S	
IC1501	8-759-100-60	IC UPC1377C	
IC1502	8-759-700-08	IC NJM4558S	
IC1503	8-759-700-08	IC NJM4558S	

COIL

Ref.No.	Part No.	Description	Remark
L501	1-459-060-00	COIL, DYNAMIC CONVERSION CHOKE	
L1501	1-407-364-00	COIL, SPOOK CHOKE 3.3UH	
L1502	1-459-215-00	CORE COIL	
L1503	1-407-365-00	COIL, CHOKE	
L1504	1-407-365-00	COIL, CHOKE	
L1505	1-407-365-00	COIL, CHOKE	
L1506	1-459-104-00	COIL, DUST CORE	
L1507	1-407-365-00	COIL, CHOKE	
L1508 ⚠	1-421-390-11	COIL, FERRITE (PMC)	
L1510	1-407-365-00	COIL, CHOKE	
L1511	1-407-365-00	COIL, CHOKE	
L1512 ⚠	1-459-308-31	COIL, HORIZONTAL LINEARITY	

NEON LAMP

Ref.No.	Part No.	Description	Remark
NL501	1-519-237-11	LAMP, NEON	

TRANSISTOR

Ref.No.	Part No.	Description	Remark
Q501	8-729-178-54	TRANSISTOR 2SC2785	
Q502	8-729-178-54	TRANSISTOR 2SC2785	
Q503	8-729-117-54	TRANSISTOR 2SA1175	
Q505	8-729-117-54	TRANSISTOR 2SA1175	
Q506	8-729-178-54	TRANSISTOR 2SC2785	
Q507	8-729-178-54	TRANSISTOR 2SC2785	
Q510	8-729-195-92	TRANSISTOR 2SC2959-L	
Q511 ⚠	8-729-122-02	TRANSISTOR 2SA1220A-Q	
Q512 ⚠	8-729-169-02	TRANSISTOR 2SC2690A-Q	
Q515	8-729-117-54	TRANSISTOR 2SA1175	
Q516	8-729-177-43	TRANSISTOR 2SD774	
Q518	8-729-178-54	TRANSISTOR 2SC2785	
Q519	8-729-178-54	TRANSISTOR 2SC2785	
Q520	8-729-178-54	TRANSISTOR 2SC2785	
Q522	8-729-117-54	TRANSISTOR 2SA1175	
Q523	8-729-117-54	TRANSISTOR 2SA1175	
Q1501	8-729-117-54	TRANSISTOR 2SA1175	
Q1503	8-729-203-81	TRANSISTOR 2SC2238B	
Q1504 ⚠	8-729-301-74	TRANSISTOR 2SD1497-04	
	4-374-410-01	SPACER, MICA; Q1504	
	*4-374-413-01	RETAINER (A), TR; Q1504	
Q1505	8-729-177-43	TRANSISTOR 2SD774	
Q1506	8-729-374-02	TRANSISTOR 2SB740	
Q1507	8-726-400-02	THYRISTOR SG-264A	
	3-703-320-00	BUSHING (A), TRANSISTOR; Q1507	
	4-303-844-00	SPACER, MICA (4) MD-17; Q1507	
	*4-309-762-00	RETAINER (MD-17), TRANSISTOR; Q1507	
Q1508 ⚠	8-729-301-74	TRANSISTOR 2SD1497-04	
	4-374-410-01	SPACER, MICA; Q1508	
	*4-374-413-01	RETAINER (A), TR; Q1508	
Q1511	8-729-374-02	TRANSISTOR 2SB740	
Q1512	8-729-117-54	TRANSISTOR 2SA1175	
Q1513	8-729-178-54	TRANSISTOR 2SC2785	
Q1514	8-729-178-54	TRANSISTOR 2SC2785	
Q1515	8-729-178-54	TRANSISTOR 2SC2785	
Q1520	8-729-168-82	TRANSISTOR 2SC2688	
	4-377-115-01	SPACER, MICA; Q1520	
	*4-381-170-01	HOLDER, TR; Q1520	

RESISTOR

Ref.No.	Part No.	Description				Remark
R501	1-247-895-00	CARBON	470K	5%	1/6W	
R502	1-249-429-11	CARBON	10K	5%	1/6W	
R503	1-249-425-11	CARBON	4.7K	5%	1/6W	
R504	1-249-429-11	CARBON	10K	5%	1/6W	
R505	1-249-421-11	CARBON	2.2K	5%	1/6W	
R506	1-249-435-11	CARBON	33K	5%	1/6W	
R507	1-247-845-00	CARBON	3.9K	5%	1/6W	
R508	1-247-726-11	CARBON	33K	5%	1/4W	
R509	1-247-853-00	CARBON	8.2K	5%	1/6W	
R510	1-247-859-00	CARBON	15K	5%	1/6W	
R511	1-249-432-11	CARBON	18K	5%	1/6W	
R512	1-247-158-00	CARBON	13K	5%	1/4W	
R513	1-247-857-00	CARBON	12K	5%	1/6W	
R514	1-247-873-00	CARBON	56K	5%	1/6W	
R515	1-249-468-11	CARBON	82K	5%	1/4W	

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Ne les remplacer que par une pièce portant le numéro spécifié.

Ref.No.	Part No.	Description				Remark
R516	1-247-713-11	CARBON	1K	5%	1/4W	
R517	1-249-420-11	CARBON	1.8K	5%	1/6W	
R518	1-247-721-11	CARBON	4.7K	5%	1/4W	
R519	1-247-715-11	CARBON	1.5K	5%	1/4W	
R520	1-249-429-11	CARBON	10K	5%	1/6W	
R521	1-249-434-11	CARBON	27K	5%	1/6W	
R522	1-247-873-00	CARBON	56K	5%	1/6W	
R523	1-214-765-00	METAL	33K	1%	1/4W	
R525	1-216-353-00	METAL OXIDE	2.2	5%	1W	F
R526	1-249-423-11	CARBON	3.3K	5%	1/6W	
R527	1-249-420-11	CARBON	1.8K	5%	1/6W	
R528	1-247-708-11	CARBON	470	5%	1/4W	
R529	1-249-414-11	CARBON	560	5%	1/6W	
R530	1-247-817-00	CARBON	270	5%	1/6W	
R536 ⚠	1-249-393-51	CARBON	10	5%	1/4W	F
R537 ⚠	1-249-399-51	CARBON	33	5%	1/4W	F
R538	1-215-869-11	METAL OXIDE	1K	5%	1W	F
R539	1-216-350-11	METAL OXIDE	1.2	5%	1W	F
R540 ⚠	1-249-405-51	CARBON	100	5%	1/4W	F
R541	1-216-350-11	METAL OXIDE	1.2	5%	1W	F
R542	1-215-865-11	METAL OXIDE	220	5%	1W	F
R543 ⚠	1-249-382-51	CARBON	1.2	5%	1/4W	F
R544	1-215-869-11	METAL OXIDE	1K	5%	1W	F
R546	1-247-715-11	CARBON	1.5K	5%	1/4W	
R551	1-216-432-00	METAL OXIDE	820	5%	1W	F
R552	1-247-720-11	CARBON	3.9K	5%	1/4W	
R553 ⚠	1-215-891-51	METAL OXIDE	680	5%	2W	F
R554	1-247-721-11	CARBON	4.7K	5%	1/4W	
R557	1-247-725-11	CARBON	10K	5%	1/4W	
R558	1-247-723-11	CARBON	6.8K	5%	1/4W	
R560	1-247-713-11	CARBON	1K	5%	1/4W	
R561	1-247-708-11	CARBON	470	5%	1/4W	
R562	1-247-704-11	CARBON	220	5%	1/4W	
R563	1-247-704-11	CARBON	220	5%	1/4W	
R564	1-247-725-11	CARBON	10K	5%	1/4W	
R565	1-249-429-11	CARBON	10K	5%	1/6W	
R566	1-247-725-11	CARBON	10K	5%	1/4W	
R567	1-249-429-11	CARBON	10K	5%	1/6W	
R568	1-247-725-11	CARBON	10K	5%	1/4W	
R569	1-249-469-11	CARBON	100K	5%	1/4W	
R570	1-247-725-11	CARBON	10K	5%	1/4W	
R571	1-249-417-11	CARBON	1K	5%	1/6W	
R572	1-247-725-11	CARBON	10K	5%	1/4W	
R573	1-249-465-11	CARBON	47K	5%	1/4W	
R574	1-247-885-00	CARBON	180K	5%	1/6W	
R575	1-249-433-11	CARBON	22K	5%	1/6W	
R576	1-249-441-11	CARBON	100K	5%	1/6W	
R577	1-247-885-00	CARBON	180K	5%	1/6W	
R578	1-249-441-11	CARBON	100K	5%	1/6W	
R579	1-247-845-00	CARBON	3.9K	5%	1/6W	
R580	1-249-423-11	CARBON	3.3K	5%	1/6W	
R581	1-247-723-11	CARBON	6.8K	5%	1/4W	
R582	1-249-441-11	CARBON	100K	5%	1/6W	

Ref.No.	Part No.	Description				Remark
R583	1-249-429-11	CARBON	10K	5%	1/6W	
R584	1-247-873-00	CARBON	56K	5%	1/6W	
R585	1-249-435-11	CARBON	33K	5%	1/6W	
R586	1-247-720-11	CARBON	3.9K	5%	1/4W	
R587	1-247-845-00	CARBON	3.9K	5%	1/6W	
R588'	1-249-441-11	CARBON	100K	5%	1/6W	
R589	1-249-421-11	CARBON	2.2K	5%	1/6W	
R590	1-247-815-00	CARBON	220	5%	1/6W	
R591	1-247-815-00	CARBON	220	5%	1/6W	
R593 ⚠	1-206-753-61	METAL OXIDE	15K	5%	3W	F
R594	1-249-460-11	CARBON	15K	5%	1/4W	
R595	1-247-859-00	CARBON	15K	5%	1/6W	
R596	1-246-488-00	CARBON	4.3K	5%	1/4W	
⊠R597 ⚠		METAL			1/4W	
R598	1-214-749-00	METAL	6.8K	1%	1/4W	
R599	1-214-741-00	METAL	3.3K	1%	1/4W	
R1501	1-247-819-00	CARBON	330	5%	1/6W	
R1502	1-249-422-11	CARBON	2.7K	5%	1/6W	
R1503	1-247-700-11	CARBON	100	5%	1/4W	
R1504	1-249-435-11	CARBON	33K	5%	1/6W	
R1505	1-249-441-11	CARBON	100K	5%	1/6W	
R1506	1-247-894-00	CARBON	430K	5%	1/6W	
R1507	1-249-433-11	CARBON	22K	5%	1/6W	
R1508	1-249-429-11	CARBON	10K	5%	1/6W	
R1509	1-249-405-11	CARBON	100	5%	1/6W	
R1510	1-249-433-11	CARBON	22K	5%	1/6W	
R1511	1-247-881-00	CARBON	120K	5%	1/6W	
R1512	1-249-440-11	CARBON	82K	5%	1/6W	
R1513	1-249-423-11	CARBON	3.3K	5%	1/6W	
R1514	1-247-868-00	CARBON	36K	5%	1/6W	
R1516	1-247-857-00	CARBON	12K	5%	1/6W	
R1518	1-249-429-11	CARBON	10K	5%	1/6W	
R1519	1-249-469-11	CARBON	100K	5%	1/4W	
R1520	1-249-435-11	CARBON	33K	5%	1/6W	
R1521	1-247-701-11	CARBON	120	5%	1/4W	
R1522	1-247-700-11	CARBON	100	5%	1/4W	
R1523	1-247-700-11	CARBON	100	5%	1/4W	
R1525	1-247-723-11	CARBON	6.8K	5%	1/4W	
R1526	1-246-543-00	CARBON	820K	5%	1/4W	
R1527	1-246-545-00	CARBON	1M	5%	1/4W	
R1529	1-215-918-00	METAL OXIDE	1.5K	5%	3W	F
R1530	1-247-700-11	CARBON	100	5%	1/4W	
R1531	1-247-713-11	CARBON	1K	5%	1/4W	F
R1532 ⚠	1-215-920-51	METAL OXIDE	3.3K	5%	3W	F
R1533	1-247-721-11	CARBON	4.7K	5%	1/4W	
R1534	1-216-482-11	METAL OXIDE	1.8K	5%	3W	F
R1535	1-216-388-11	METAL OXIDE	0.82	5%	3W	F
R1536	1-247-697-11	CARBON	56	5%	1/4W	
R1537 ⚠	1-249-389-51	CARBON	4.7	5%	1/4W	F
R1538 ⚠	1-249-389-51	CARBON	4.7	5%	1/4W	F
R1539 ⚠	1-216-434-51	METAL OXIDE	1.8K	5%	1W	F
R1540 ⚠	1-215-915-51	METAL OXIDE	470	5%	3W	F
R1541 ⚠	1-216-479-51	METAL OXIDE	560	5%	3W	F

The components identified by shading and mark ⚠ are critical for safety. Replace only with part number specified.

Les composants identifiés par une trame et une marque ⚠ sont critiques pour la sécurité. Ne les remplacer que par une pièce portant le numéro spécifié.

- The components identified by ⊠ in this manual have been carefully factory-selected for each set in order to satisfy regulations regarding X-ray radiation. Should replacement be required, replace only with the value originally used.

D H4 H6 H5 UA

Ref.No.	Part No.	Description				Remark
R1542	1-215-880-00	METAL OXIDE	10	5%	2W	F
R1543	1-215-871-11	METAL OXIDE	2.2K	5%	1W	F
R1544 ⚠	1-216-448-51	METAL OXIDE	39	5%	2W	F
R1545	1-247-693-11	CARBON	27	5%	1/4W	
R1546 ⚠	1-216-373-91	METAL OXIDE	2.2	5%	2W	F
R1547	1-247-697-11	CARBON	56	5%	1/4W	
R1548	1-249-382-11	CARBON	1.2	5%	1/6W	F
R1549	1-249-448-11	CARBON	1.2	5%	1/4W	F
R1552	1-247-725-11	CARBON	10K	5%	1/4W	
R1553	1-249-425-11	CARBON	4.7K	5%	1/6W	F
R1554	1-247-817-00	CARBON	270	5%	1/6W	
R1555	1-249-465-11	CARBON	47K	5%	1/4W	
R1556	1-249-425-11	CARBON	4.7K	5%	1/6W	
R1557	1-249-429-11	CARBON	10K	5%	1/6W	
R1558	1-249-425-11	CARBON	4.7K	5%	1/6W	
R1559	1-249-417-11	CARBON	1K	5%	1/6W	
R1560	1-247-862-00	CARBON	20K	5%	1/6W	
R1561	1-214-746-00	METAL	5.1K	1%	1/4W	
R1562	1-247-713-11	CARBON	1K	5%	1/4W	
R1563	1-247-718-11	CARBON	2.7K	5%	1/4W	
R1564	1-249-405-11	CARBON	100	5%	1/6W	F
R1565	1-249-433-11	CARBON	22K	5%	1/6W	
R1566	1-247-875-00	CARBON	68K	5%	1/6W	
R1567	1-249-435-11	CARBON	33K	5%	1/6W	
R1568	1-247-713-11	CARBON	1K	5%	1/4W	
R1571 ⚠	1-249-448-51	CARBON	1.2	5%	1/4W	F
R1572 ⚠	1-249-448-51	CARBON	1.2	5%	1/4W	F
R1573 ⚠	1-249-382-51	CARBON	1.2	5%	1/4W	F
R1574	1-216-424-11	METAL OXIDE	39	5%	1W	F
R1575	1-249-382-11	CARBON	1.2	5%	1/6W	F
R1576	1-215-869-11	METAL OXIDE	1K	5%	1W	F
R1577	1-249-425-11	CARBON	4.7K	5%	1/6W	
R1578	1-202-723-00	SOLID	2.2M	10%	1/2W	
R1579	1-247-718-11	CARBON	2.7K	5%	1/4W	
R1580	1-247-875-00	CARBON	68K	5%	1/6W	
R1581	1-249-441-11	CARBON	100K	5%	1/6W	
R1582	1-249-429-11	CARBON	10K	5%	1/6W	
R1583	1-247-851-00	CARBON	6.8K	5%	1/6W	
R1584	1-249-421-11	CARBON	2.2K	5%	1/6W	
R1585	1-247-713-11	CARBON	1K	5%	1/4W	
R1588	1-215-872-11	METAL OXIDE	3.3K	5%	1W	F
R1589	1-247-726-11	CARBON	33K	5%	1/4W	
R1590	1-247-726-11	CARBON	33K	5%	1/4W	
R1592	1-214-779-00	METAL	120K	1%	1/4W	
R1593	1-214-781-00	METAL	150K	1%	1/4W	
R1594	1-247-722-11	CARBON	5.6K	5%	1/4W	
R1595	1-214-777-00	METAL	100K	1%	1/4W	
R1597	1-214-752-00	METAL	9.1K	1%	1/4W	
R1598	1-214-749-00	METAL	6.8K	1%	1/4W	
		VARIABLE RESISTOR				
RV501	1-228-717-00	RES, ADJ, CERAMIC CARBON 220				
RV503	1-228-727-00	RES, ADJ, CERAMIC CARBON 47K				

Ref.No.	Part No.	Description	Remark
RV505	1-228-728-00	RES, ADJ, CERAMIC CARBON 100K	
RV506	1-228-728-00	RES, ADJ, CERAMIC CARBON 100K	
RV507	1-228-725-00	RES, ADJ, CERAMIC CARBON 22K	
RV508	1-228-724-00	RES, ADJ, CERAMIC CARBON 10K	
RV1501	1-228-723-00	RES, ADJ, CERAMIC CARBON 4.7K	
RV1503	1-228-720-00	RES, ADJ, CERAMIC CARBON 1K	
RV1505	1-228-720-00	RES, ADJ, CERAMIC CARBON 1K	
RV1506	1-228-727-00	RES, ADJ, CERAMIC CARBON 47K	
RV1510	1-228-720-00	RES, ADJ, CERAMIC CARBON 1K	
		SPARK GAP	
SG1501	1-519-063-XX	DISCHARGING GAP	
		TRANSFORMER	
T1501	1-437-089-00	TRANSFORMER, HORIZONTAL DRIVE	
T1502	1-437-089-00	TRANSFORMER, HORIZONTAL DRIVE	
T1503 ⚠	1-439-356-11	HOT	
T1513 ⚠	1-421-388-11	LOT	
**********			
	*1-620-767-11	H4 BOARD ********	
	*1-566-063-11	PIN, CONNECTOR 11P	
**********			
	*1-620-768-11	H6 BOARD ********	
	*1-566-054-11	PIN, CONNECTOR 2P	
	*1-566-056-11	PIN, CONNECTOR 4P	
	*1-566-059-11	PIN, CONNECTOR 7P	
	*1-566-060-11	PIN, CONNECTOR 8P	
	*1-566-062-11	PIN, CONNECTOR 10P	
**********			
	*1-620-766-11	H5 BOARD ********	
	*1-566-054-11	PIN, CONNECTOR 2P	
	*1-566-056-11	PIN, CONNECTOR 4P	
		SWITCH	
S981	1-570-145-11	SWITCH, SLIDE	
S982	1-570-145-11	SWITCH, SLIDE	
**********			
	*A-1373-057-A	UA BOARD, COMPLETE ******************	
	1-537-043-11	TERMINAL BOARD, INPUT/OUTPUT	
	1-537-044-11	TERMINAL BOARD, INPUT/OUTPUT	

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Ref.No.	Part No.	Description				Remark
		CAPACITOR				
C2201	1-123-821-00	ELECT	47MF	20%	16V	
C2202	1-123-617-00	ELECT	10MF	20%	16V	
C2203	1-123-617-00	ELECT	10MF	20%	16V	
C2204	1-123-821-00	ELECT	47MF	20%	16V	
C2205	1-123-617-00	ELECT	10MF	20%	16V	
C2206	1-123-617-00	ELECT	10MF	20%	16V	
C2207	1-123-821-00	ELECT	47MF	20%	16V	
C2208	1-123-617-00	ELECT	10MF	20%	16V	
C2209	1-123-821-00	ELECT	47MF	20%	16V	
C2210	1-101-004-00	CERAMIC	0.01MF		50V	
C2211	1-123-821-00	ELECT	47MF	20%	16V	
C2212	1-123-622-00	ELECT	22MF	20%	16V	
C2213	1-123-821-00	ELECT	47MF	20%	16V	
C2214	1-101-004-00	CERAMIC	0.01MF		50V	
C2232	1-136-173-00	FILM	0.47MF	5%	50V	
C2234	1-123-617-00	ELECT	10MF	20%	16V	
C2301	1-123-617-00	ELECT	10MF	20%	16V	
C2302	1-123-816-00	ELECT	10MF	20%	50V	
C2303	1-123-816-00	ELECT	10MF	20%	50V	
C2304	1-123-816-00	ELECT	10MF	20%	50V	
C2305	1-101-006-00	CERAMIC	0.047MF		50V	
C2306	1-136-153-00	FILM	0.01MF	5%	50V	
C2307	1-123-620-00	ELECT	10MF	20%	25V	
C2308	1-123-821-00	ELECT	47MF	20%	16V	
C2309	1-123-816-00	ELECT	10MF	20%	50V	
C2310	1-123-616-00	ELECT	4.7MF	20%	25V	
C2311	1-101-006-00	CERAMIC	0.047MF		50V	
C2312	1-123-332-00	ELECT	47MF	20%	16V	
C2313	1-123-821-00	ELECT	47MF	20%	16V	
C2314	1-101-004-00	CERAMIC	0.01MF		50V	
C2315	1-102-820-00	CERAMIC	330PF	5%	50V	
C2316	1-101-004-00	CERAMIC	0.01MF		50V	
C2317	**1-102-887-00**	CERAMIC	**47PF**	**5%**	**50V**	
C2318	**1-102-887-00**	CERAMIC	**47PF**	**5%**	**50V**	
C2319	**1-102-887-00**	CERAMIC	**47PF**	**5%**	**50V**	
C2320	**1-101-004-00**	CERAMIC	**0-01MF**	**50V**		
C2321	**1-101-004-00**	CERAMIC	**0-01MF**	**50V**		
C3464	1-123-617-00	ELECT	10MF	20%	16V	
C3465	1-102-121-00	CERAMIC	0.0022MF	10%	50V	
C3466	1-102-121-00	CERAMIC	0.0022MF	10%	50V	
C3467	1-124-444-00	ELECT	220MF	20%	10V	
C3468	1-123-321-00	ELECT	220MF	20%	16V	
C3469	1-124-444-00	ELECT	220MF	20%	10V	
C3470	1-123-321-00	ELECT	220MF	20%	16V	
C3471	1-123-321-00	ELECT	220MF	20%	16V	
C3472	1-124-444-00	ELECT	220MF	20%	10V	
C3473	1-119-353-00	ELECT	220MF		10V	
		DIODE				
D2301	8-719-911-19	DIODE 1SS119				
D2305	8-719-911-19	DIODE 1SS119				
D2308	8-719-911-19	DIODE 1SS119				
D2309	8-719-911-19	DIODE 1SS119				
D2310	8-719-110-03	DIODE RD7.5ES-B2				

Ref.No.	Part No.	Description				Remark
D2311	8-719-110-03	DIODE RD7.5ES-B2				
D2312	8-719-110-03	DIODE RD7.5ES-B2				
D2313	8-719-100-68	DIODE RD13E-B2				
		IC				
IC2201	8-759-800-65	IC LA7910				
IC2202	8-759-140-66	IC UPD4066BC				
IC2203	8-759-102-37	IC UPD4052BC				
IC2204	8-759-140-53	IC UPD4053BC				
IC2301	8-759-900-09	IC SN74LS09N				
IC2302	8-759-900-11	IC SN74LS11N				
IC2303	8-759-900-09	IC SN74LS09N				
IC2304	8-759-901-38	IC SN74LS138N				
IC2305	8-759-901-36	IC SN74LS136N				
		TRANSISTOR				
Q2201	8-729-117-54	TRANSISTOR 2SA1175				
Q2202	8-729-117-54	TRANSISTOR 2SA1175				
Q2203	8-729-117-54	TRANSISTOR 2SA1175				
Q2204	8-729-178-54	TRANSISTOR 2SC2785				
Q2205	8-729-178-54	TRANSISTOR 2SC2785				
Q2206	8-729-117-54	TRANSISTOR 2SA1175				
Q2207	8-729-178-54	TRANSISTOR 2SC2785				
Q2208	8-729-178-54	TRANSISTOR 2SC2785				
Q2209	8-729-178-54	TRANSISTOR 2SC2785				
Q2210	8-729-178-54	TRANSISTOR 2SC2785				
Q2211	8-729-178-54	TRANSISTOR 2SC2785				
Q2303	8-729-178-54	TRANSISTOR 2SC2785				
Q2304	8-729-178-54	TRANSISTOR 2SC2785				
Q2307	8-729-178-54	TRANSISTOR 2SC2785				
Q2308	8-729-178-54	TRANSISTOR 2SC2785				
Q2311	8-729-178-54	TRANSISTOR 2SC2785				
Q2312	8-729-178-54	TRANSISTOR 2SC2785				
Q2313	8-729-178-54	TRANSISTOR 2SC2785				
Q2314	8-729-178-54	TRANSISTOR 2SC2785				
Q2315	8-729-178-54	TRANSISTOR 2SC2785				
Q2316	8-729-900-36	TRANSISTOR DTC124ES				
Q2317	8-729-900-36	TRANSISTOR DTC124ES				
Q2318	8-729-117-54	TRANSISTOR 2SA1175				
Q2319	8-729-178-54	TRANSISTOR 2SC2785				
Q2320	8-729-178-54	TRANSISTOR 2SC2785				
Q2321	8-729-178-54	TRANSISTOR 2SC2785				
Q2322	8-729-178-54	TRANSISTOR 2SC2785				
Q2323	8-729-900-36	TRANSISTOR DTC124ES				
Q2324	8-729-178-54	TRANSISTOR 2SC2785				
Q2330	8-729-900-36	TRANSISTOR DTC124ES				
Q2331	8-729-178-54	TRANSISTOR 2SC2785				
Q2332	8-729-178-54	TRANSISTOR 2SC2785				
		RESISTOR				
R2201	1-249-429-11	CARBON	10K	5%	1/6W	
R2202	1-249-429-11	CARBON	10K	5%	1/6W	
R2203	1-249-429-11	CARBON	10K	5%	1/6W	
R2204	**1-249-421-11**	CARBON	2.2K	5%	1/6W	
R2205	1-247-104-00	CARBON	75	5%	1/4W	

Ref.No.	Part No.	Description				Remark	Ref.No.	Part No.	Description				Remark
R2206	1-247-713-11	CARBON	1K	5%	1/4W		R2307	1-249-417-11	CARBON	1K	5%	1/6W	
R2207	1-247-903-00	CARBON	1M	5%	1/6W		R2308	1-247-903-00	CARBON	1M	5%	1/6W	
R2208	1-247-713-11	CARBON	1K	5%	1/4W		R2314	1-249-417-11	CARBON	1K	5%	1/6W	
R2209	1-247-903-00	CARBON	1M	5%	1/6W		R2325	1-249-417-11	CARBON	1K	5%	1/6W	
R2210	1-247-104-00	CARBON	75	5%	1/4W		R2327	1-249-417-11	CARBON	1K	5%	1/6W	
R2211	1-247-713-11	CARBON	1K	5%	1/4W		R2337	1-249-417-11	CARBON	1K	5%	1/6W	
R2212	1-247-903-00	CARBON	1M	5%	1/6W		R2340	1-247-845-00	CARBON	3.9K	5%	1/6W	
R2213	1-247-713-11	CARBON	1K	5%	1/4W		R2344	1-249-417-11	CARBON	1K	5%	1/6W	
R2214	1-247-903-00	CARBON	1M	5%	1/6W		R2345	1-247-725-11	CARBON	10K	5%	1/4W	
R2215	1-247-104-00	CARBON	75	5%	1/4W		R2346	1-249-429-11	CARBON	10K	5%	1/6W	
R2216	1-247-713-11	CARBON	1K	5%	1/4W		R2349	1-247-853-00	CARBON	8.2K	5%	1/6W	
R2217	1-247-903-00	CARBON	1M	5%	1/6W		R2350	1-247-851-00	CARBON	6.8K	5%	1/6W	
R2218	1-249-440-11	CARBON	82K	5%	1/6W		R2351	1-249-417-11	CARBON	1K	5%	1/6W	
R2219	1-249-434-11	CARBON	27K	5%	1/6W		R2352	1-249-434-11	CARBON	27K	5%	1/6W	
R2220	1-249-441-11	CARBON	100K	5%	1/6W		R2353	1-249-433-11	CARBON	22K	5%	1/6W	
R2221	1-249-440-11	CARBON	82K	5%	1/6W		R2354	1-247-725-11	CARBON	10K	5%	1/4W	
R2222	1-249-434-11	CARBON	27K	5%	1/6W		R2355	1-249-419-11	CARBON	1.5K	5%	1/6W	
R2223	1-249-441-11	CARBON	100K	5%	1/6W		R2356	1-247-698-11	CARBON	68	5%	1/4W	
R2224	1-249-440-11	CARBON	82K	5%	1/6W		R2357	1-247-717-11	CARBON	2.2K	5%	1/4W	
R2225	1-249-434-11	CARBON	27K	5%	1/6W		R2358	1-247-878-00	CARBON	91K	5%	1/6W	
R2226	1-249-441-11	CARBON	100K	5%	1/6W		R2359	1-249-434-11	CARBON	27K	5%	1/6W	
R2227	1-247-717-11	CARBON	2.2K	5%	1/4W		R2360	1-247-853-00	CARBON	8.2K	5%	1/6W	
R2228	1-247-895-00	CARBON	470K	5%	1/6W		R2361	1-249-421-11	CARBON	2.2K	5%	1/6W	
R2229	1-249-417-11	CARBON	1K	5%	1/6W		R2362	1-249-429-11	CARBON	10K	5%	1/6W	
R2230	1-249-441-11	CARBON	100K	5%	1/6W		R2363	1-249-405-11	CARBON	100	5%	1/6W	
R2231	1-249-441-11	CARBON	100K	5%	1/6W		R2364	1-249-421-11	CARBON	2.2K	5%	1/6W	
R2232	1-247-891-00	CARBON	330K	5%	1/6W		R2365	1-249-425-11	CARBON	4.7K	5%	1/6W	
R2233	1-247-891-00	CARBON	330K	5%	1/6W		R2366	1-249-425-11	CARBON	4.7K	5%	1/6W	
R2234	1-247-897-00	CARBON	560K	5%	1/6W		R2367	1-247-815-00	CARBON	220	5%	1/6W	
R2235	1-247-891-00	CARBON	330K	5%	1/6W		R2368	1-249-425-11	CARBON	4.7K	5%	1/6W	
R2236	1-247-891-00	CARBON	330K	5%	1/6W		R2369	1-249-433-11	CARBON	22K	5%	1/6W	
R2237	1-247-891-00	CARBON	330K	5%	1/6W		R2370	1-249-437-11	CARBON	47K	5%	1/6W	
R2238	1-247-891-00	CARBON	330K	5%	1/6W		R2371	1-249-429-11	CARBON	10K	5%	1/6W	
R2239	1-249-440-11	CARBON	82K	5%	1/6W		R2372	1-249-422-11	CARBON	2.7K	5%	1/6W	
R2240	1-249-429-11	CARBON	10K	5%	1/6W		R2373	1-247-853-00	CARBON	8.2K	5%	1/6W	
R2241	1-249-429-11	CARBON	10K	5%	1/6W		R2374	1-249-423-11	CARBON	3.3K	5%	1/6W	
R2246	1-249-417-11	CARBON	1K	5%	1/6W		R2375	1-249-421-11	CARBON	2.2K	5%	1/6W	
R2247	1-247-819-00	CARBON	330	5%	1/6W		R2376	1-249-425-11	CARBON	4.7K	5%	1/6W	
R2248	1-247-845-00	CARBON	3.9K	5%	1/6W		R2377	1-249-425-11	CARBON	4.7K	5%	1/6W	
R2249	1-249-417-11	CARBON	1K	5%	1/6W		R2378	1-249-425-11	CARBON	4.7K	5%	1/6W	
R2250	1-249-432-11	CARBON	18K	5%	1/6W		R2379	1-247-700-11	CARBON	100	5%	1/4W	
R2251	1-247-845-00	CARBON	3.9K	5%	1/6W		R2380	1-249-425-11	CARBON	4.7K	5%	1/6W	
R2252	1-249-429-11	CARBON	10K	5%	1/6W		R2381	1-249-425-11	CARBON	4.7K	5%	1/6W	
R2253	1-249-423-11	CARBON	3.3K	5%	1/6W		R2382	1-249-421-11	CARBON	2.2K	5%	1/6W	
R2270	1-249-417-11	CARBON	1K	5%	1/6W		R2383	1-249-421-11	CARBON	2.2K	5%	1/6W	
R2271	1-249-417-11	CARBON	1K	5%	1/6W		R2384	1-249-421-11	CARBON	2.2K	5%	1/6W	
R2272	1-249-417-11	CARBON	1K	5%	1/6W		R2385	1-249-421-11	CARBON	2.2K	5%	1/6W	
R2273	1-249-435-11	CARBON	33K	5%	1/6W		R2386	1-249-417-11	CARBON	1K	5%	1/6W	
R2274	1-249-435-11	CARBON	33K	5%	1/6W		R2387	1-249-417-11	CARBON	1K	5%	1/6W	
R2275	1-249-420-11	CARBON	1.8K	5%	1/6W		R2388	1-249-429-11	CARBON	10K	5%	1/6W	
R2302	1-247-704-11	CARBON	220	5%	1/4W		R2389	1-249-417-11	CARBON	1K	5%	1/6W	
R2304	1-247-704-11	CARBON	220	5%	1/4W		R2390	1-247-717-11	CARBON	2.2K	5%	1/4W	
R2306	1-247-704-11	CARBON	220	5%	1/4W		R2391	1-247-717-11	CARBON	2.2K	5%	1/4W	

Ref.No.	Part No.	Description				Remark
		SWITCH				
S2001	1-570-145-11	SWITCH, SLIDE				
S2002	1-570-145-11	SWITCH, SLIDE				
S2003	1-570-145-11	SWITCH, SLIDE				
		CONNECTOR				
UA1	*1-566-058-11	PIN, CONNECTOR 6P				
UA2	*1-566-058-11	PIN, CONNECTOR 6P				
UA3	*1-566-056-11	PIN, CONNECTOR 4P				
UA4	*1-564-441-11	PLUG, CONNECTOR (2.5MM) 5P				
UA5	*1-508-767-00	5P PLUG				
UA6	*1-564-441-11	PLUG, CONNECTOR (2.5MM) 5P				
UA8	*1-566-054-11	PIN, CONNECTOR 2P				
UA11	*1-566-055-11	PIN, CONNECTOR 3P				

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*A-1373-058-A UB BOARD, COMPLETE
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Ref.No.	Part No.	Description				Remark
		CAPACITOR				
C3414	1-123-608-00	ELECT	0.22MF	20%	50V	
C3415	1-123-608-00	ELECT	0.22MF	20%	50V	
C3416	1-123-608-00	ELECT	0.22MF	20%	50V	
C3417	1-123-608-00	ELECT	0.22MF	20%	50V	
C3418	1-123-608-00	ELECT	0.22MF	20%	50V	
C3419	1-123-608-00	ELECT	0.22MF	20%	50V	
C3420	1-101-004-00	CERAMIC	0.01MF		50V	
C3421	1-123-617-00	ELECT	10MF	20%	16V	
C3422	1-123-617-00	ELECT	10MF	20%	16V	
C3423	1-101-004-00	CERAMIC	0.01MF		50V	
C3424	1-108-833-00	MYLAR	0.0047MF	10%	50V	
C3425	1-108-837-00	MYLAR	0.01MF	10%	50V	
C3426	1-108-845-00	MYLAR	0.047MF	10%	50V	
C3427	1-108-833-00	MYLAR	0.0047MF	10%	50V	
C3428	1-108-837-00	MYLAR	0.01MF	10%	50V	
C3429	1-108-845-00	MYLAR	0.047MF	10%	50V	
C3430	1-108-833-00	MYLAR	0.0047MF	10%	50V	
C3431	1-108-845-00	MYLAR	0.047MF	10%	50V	
C3433	1-108-837-00	MYLAR	0.01MF	10%	50V	
C3434	1-101-004-00	CERAMIC	0.01MF		50V	
C3435	1-123-821-00	ELECT	47MF	20%	16V	
C3436	1-123-620-00	ELECT	10MF	20%	25V	
C3437	1-101-004-00	CERAMIC	0.01MF		50V	
C3438	1-124-445-00	ELECT	100MF	20%	16V	
C3439	1-108-618-91	MYLAR	0.0022MF	10%	100V	
C3442	1-124-445-00	ELECT	100MF	20%	16V	
C3443	1-123-617-00	ELECT	10MF	20%	16V	
C3462	1-124-445-00	ELECT	100MF	20%	16V	
C3463	1-123-820-00	ELECT	33MF	20%	16V	
		DIODE				
D3420	8-719-911-19	DIODE 1SS119				
D3421	8-719-911-19	DIODE 1SS119				
D3422	8-719-911-19	DIODE 1SS119				
D3423	⚠8-719-112-64	DIODE RD10ES-T1B2				
D3424	8-719-110-36	DIODE RD13ES-B2				
D3425	8-719-911-19	DIODE 1SS119				
D3426	8-719-109-93	DIODE RD6.2ES-B2				
D3428	8-719-911-19	DIODE 1SS119				
D3433	8-719-110-15	DIODE RD10ES-B				
D3434	8-719-110-15	DIODE RD10ES-B				
D3435	8-719-110-15	DIODE RD10ES-B				
D3438	8-719-110-17	DIODE RD10ES-B2				
		IC				
IC3407	8-752-030-31	IC CXA1024S				
		COIL				
L3401	1-408-424-00	MICRO INDUCTOR 180UH				
		TRANSISTOR				
Q3429	8-729-900-36	TRANSISTOR DTC124ES				
Q3431	8-729-178-54	TRANSISTOR 2SC2785				
Q3432	8-729-178-54	TRANSISTOR 2SC2785				
Q3433	⚠8-729-101-37	TRANSISTOR 2SC2785TP-F				
Q3440	8-729-178-54	TRANSISTOR 2SC2785				
Q3450	8-729-178-54	TRANSISTOR 2SC2785				
Q3451	8-729-117-54	TRANSISTOR 2SA1175				
		RESISTOR				
R3351	1-247-717-11	CARBON	2.2K	5%	1/4W	
R3352	1-249-429-11	CARBON	10K	5%	1/6W	
R3353	1-249-429-11	CARBON	10K	5%	1/6W	
R3354	1-249-405-11	CARBON	100	5%	1/6W	
R3355	1-249-405-11	CARBON	100	5%	1/6W	
R3356	1-249-405-11	CARBON	100	5%	1/6W	
R3357	1-247-815-00	CARBON	220	5%	1/6W	
R3358	1-249-429-11	CARBON	10K	5%	1/6W	
R3359	1-249-429-11	CARBON	10K	5%	1/6W	
R3360	1-249-462-11	CARBON	22K	5%	1/4W	
R3361	1-247-725-11	CARBON	10K	5%	1/4W	
R3363	1-247-704-11	CARBON	220	5%	1/4W	
R3364	1-247-704-11	CARBON	220	5%	1/4W	
R3365	1-247-704-11	CARBON	220	5%	1/4W	
R3366	1-247-713-11	CARBON	1K	5%	1/4W	
R3367	1-247-713-11	CARBON	1K	5%	1/4W	
R3368	1-247-713-11	CARBON	1K	5%	1/4W	
R3369	1-215-424-00	METAL	1.3K	1%	1/6W	
R3370	1-247-823-00	CARBON	470	5%	1/6W	
R3371	1-247-823-00	CARBON	470	5%	1/6W	
R3372	1-247-717-11	CARBON	2.2K	5%	1/4W	
R3373	1-249-421-11	CARBON	2.2K	5%	1/6W	
R3374	1-247-903-00	CARBON	1M	5%	1/6W	
R3375	1-249-421-11	CARBON	2.2K	5%	1/6W	

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Replace only with part number specified.

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Ne les remplacer que par une pièce portant le numéro spécifié.

Ref.No.	Part No.	Description				Remark
R3376	1-249-421-11	CARBON	2.2K	5%	1/6W	
R3377	1-249-421-11	CARBON	2.2K	5%	1/6W	
R3378	1-249-429-11	CARBON	10K	5%	1/6W	
R3379	1-247-823-00	CARBON	470	5%	1/6W	
R3380	1-247-869-00	CARBON	39K	5%	1/6W	
R3381	1-249-417-11	CARBON	1K	5%	1/6W	
R3382	1-249-434-11	CARBON	27K	5%	1/6W	
R3383	1-249-417-11	CARBON	1K	5%	1/6W	
R3384	1-249-429-11	CARBON	10K	5%	1/6W	
R3385	1-249-417-11	CARBON	1K	5%	1/6W	
R3386	1-249-405-11	CARBON	100	5%	1/6W	
R3387	1-249-405-11	CARBON	100	5%	1/6W	
R3388	1-249-405-11	CARBON	100	5%	1/6W	
R3456	1-249-433-11	CARBON	22K	5%	1/6W	
R3460	1-247-873-00	CARBON	56K	5%	1/6W	
R3461	1-247-851-00	CARBON	6.8K	5%	1/6W	
R3470	1-246-529-00	CARBON	220K	5%	1/4W	
R3492	1-249-429-11	CARBON	10K	5%	1/6W	
R3493	1-249-429-11	CARBON	10K	5%	1/6W	
R3497	1-247-873-00	CARBON	56K	5%	1/6W	
R3498	1-247-887-00	CARBON	220K	5%	1/6W	
R3499	1-249-441-11	CARBON	100K	5%	1/6W	

VARIABLE RESISTOR

Ref.No.	Part No.	Description		Remark
RV3301	1-228-993-00	RES, ADJ, CARBON	4.7K	
RV3302	1-228-993-00	RES, ADJ, CARBON	4.7K	

CONNECTOR

Ref.No.	Part No.	Description	Remark
UB1	*1-566-058-11	PIN, CONNECTOR 6P	
UB2	*1-566-058-11	PIN, CONNECTOR 6P	
UB3	*1-566-054-11	PIN, CONNECTOR 2P	
UB4	*1-566-061-11	PIN, CONNECTOR 9P	
UB6	*1-566-054-11	PIN, CONNECTOR 2P	
UB7	*1-566-059-11	PIN, CONNECTOR 7P	
UB8	*1-566-057-11	PIN, CONNECTOR 5P	
UB9	*1-566-055-11	PIN, CONNECTOR 3P	
UB10	*1-566-056-11	PIN, CONNECTOR 4P	

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*A-1375-064-A H3 BOARD, COMPLETE
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Ref.No.	Part No.	Description	Remark
	*1-566-054-11	PIN, CONNECTOR 2P	
	*1-566-055-11	PIN, CONNECTOR 3P	
	*1-566-057-11	PIN, CONNECTOR 5P	

CAPACITOR

Ref.No.	Part No.	Description				Remark
C971	1-108-830-00	MYLAR	0.0027MF	10%	50V	
C972	1-108-835-91	MYLAR	0.0068MF	10%	50V	
C973	1-108-837-00	MYLAR	0.01MF	10%	50V	
C974	1-123-617-00	ELECT	10MF	20%	16V	
C981	1-108-487-00	MYLAR	0.022MF	5%	50V	
C990	1-123-617-00	ELECT	10MF	20%	16V	
C991	1-123-617-00	ELECT	10MF	20%	16V	

DIODE

Ref.No.	Part No.	Description	Remark
D971	8-719-109-85	DIODE RD5.1ES-B2	
D981	8-719-911-19	DIODE 1SS119	
D982	8-719-109-97	DIODE RD6.8ES-B2	

IC

Ref.No.	Part No.	Description	Remark
IC971	8-759-933-23	IC BA236	
IC990 ⚠	8-759-171-05	IC UPC7805H	

COIL

Ref.No.	Part No.	Description	Remark
L990	1-408-424-00	MICRO INDUCTOR 180UH	

TRANSISTOR

Ref.No.	Part No.	Description	Remark
Q971	8-729-178-54	TRANSISTOR 2SC2785	
Q981	8-729-178-54	TRANSISTOR 2SC2785	
Q982	8-729-178-54	TRANSISTOR 2SC2785	
Q990	8-729-178-54	TRANSISTOR 2SC2785	

RESISTOR

Ref.No.	Part No.	Description				Remark
R977	1-249-433-11	CARBON	22K	5%	1/6W	
R978	1-249-433-11	CARBON	22K	5%	1/6W	
R979	1-249-429-11	CARBON	10K	5%	1/6W	
R980	1-247-813-00	CARBON	180	5%	1/6W	
R981	1-249-405-11	CARBON	100	5%	1/6W	
R982	1-249-432-11	CARBON	18K	5%	1/6W	
R983	1-247-851-00	CARBON	6.8K	5%	1/6W	
R984	1-249-417-11	CARBON	1K	5%	1/6W	
R985	1-247-833-00	CARBON	1.2K	5%	1/6W	
R986	1-249-420-11	CARBON	1.8K	5%	1/6W	
R987 ⚠	1-249-397-51	CARBON	22	5%	1/4W	F
R991	1-249-417-11	CARBON	1K	5%	1/6W	
R992	1-249-434-11	CARBON	27K	5%	1/6W	
R993	1-249-435-11	CARBON	33K	5%	1/6W	
R994	1-247-873-00	CARBON	56K	5%	1/6W	
R995	1-249-437-11	CARBON	47K	5%	1/6W	
R996	1-247-795-00	CARBON	33	5%	1/6W	
R997	1-249-421-11	CARBON	2.2K	5%	1/6W	
R998	1-249-429-11	CARBON	10K	5%	1/6W	

VARIABLE RESISTOR

Ref.No.	Part No.	Description	Remark
RV972	1-228-725-00	RES, ADJ, CERAMIC CARBON 22K	
RV973	1-237-348-11	RES, VAR, CARBON 5K	
RV974	1-237-349-11	RES, VAR, CARBON 10K	

SWITCH

Ref.No.	Part No.	Description	Remark
S972	1-570-758-11	SWITCH, ROTARY	
S973	1-570-758-11	SWITCH, ROTARY	

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Ref.No.	Part No.	Description				Remark
	*A-1380-189-A	K BOARD, COMPLETE				
		******************				
		CAPACITOR				
C201	1-124-655-11	ELECT	0.47MF	20%	50V	
C202	1-124-655-11	ELECT	0.47MF	20%	50V	
C203	1-124-035-00	ELECT	47MF	20%	16V	
C204	1-124-035-00	ELECT	47MF	20%	16V	
C205	1-108-850-11	MYLAR	0.12MF	10%	50V	
C206	1-102-125-00	CERAMIC	0.0047MF	10%	50V	
C207	1-102-125-00	CERAMIC	0.0047MF	10%	50V	
C208	1-108-850-11	MYLAR	0.12MF	10%	50V	
C209	1-124-038-00	ELECT	1MF	20%	50V	
C210	1-124-045-91	ELECT	4.7MF	20%	50V	
C211	1-124-045-91	ELECT	4.7MF	20%	50V	
C212	1-124-045-91	ELECT	4.7MF	20%	50V	
C213	1-124-041-91	ELECT	220MF	20%	16V	
C218	1-123-985-81	ELECT	1000MF	20%	16V	
C219	1-123-973-00	ELECT	100MF	20%	16V	
C220	1-124-042-91	ELECT	0.47MF	20%	50V	
C221	1-124-042-91	ELECT	0.47MF	20%	50V	
C222	1-162-283-31	CERAMIC	120PF	10%	50V	
C223	1-162-283-31	CERAMIC	120PF	10%	50V	
C224	1-124-034-91	ELECT	33MF	20%	16V	
C225 ⚠	1-124-474-91	ELECT	47MF	20%	16V	
C227	1-108-849-00	MYLAR	0.1MF	10%	50V	
C228	1-124-042-91	ELECT	0.47MF	20%	50V	
C229	1-124-042-91	ELECT	0.47MF	20%	50V	
C230	1-162-283-31	CERAMIC	120PF	10%	50V	
C231	1-162-283-31	CERAMIC	120PF	10%	50V	
C232	1-124-034-91	ELECT	33MF	20%	16V	
C233	1-123-332-00	ELECT	47MF	20%	16V	
C235	1-108-849-00	MYLAR	0.1MF	10%	50V	
C236	1-124-471-00	ELECT	1000MF	20%	6.3V	
C237	1-102-074-00	CERAMIC	0.001MF	10%	50V	
C238	1-102-074-00	CERAMIC	0.001MF	10%	50V	
C239	1-101-006-00	CERAMIC	0.047MF		50V	
C240	1-101-006-00	CERAMIC	0.047MF		50V	
C241	1-101-006-00	CERAMIC	0.047MF		50V	
C242	1-125-296-00	ELECT(BLOCK)	4700MF		35V	
C243	1-125-296-00	ELECT(BLOCK)	4700MF		35V	
C246	1-123-356-00	ELECT	10MF	20%	16V	
C247	1-102-125-00	CERAMIC	0.0047MF	10%	50V	
C248	1-102-125-00	CERAMIC	0.0047MF	10%	50V	
C251	1-123-356-00	ELECT	10MF	20%	16V	
C252	1-123-356-00	ELECT	10MF	20%	50V	
		DIODE				
B201 ⚠	8-719-111-99	DIODE RD6.2ES-T1B2				
D202	8-719-911-19	DIODE 1SS119				
D203	8-719-110-36	DIODE RD13ES-B2				
D204 ⚠	8-719-112-90	DIODE RD13ES-T1B2				

Ref.No.	Part No.	Description				Remark
		IC				
IC201	8-759-276-30	IC TA7630P				
IC204 ⚠	8-759-111-88	IC UPC1188H				
IC205 ⚠	8-759-111-88	IC UPC1188H				
		CONNECTOR				
K1	*1-566-058-11	PIN, CONNECTOR 6P				
K2	*1-508-767-00	5P PLUG				
K3	*1-566-056-11	PIN, CONNECTOR 4P				
K4	*1-566-054-11	PIN, CONNECTOR 2P				
K5	*1-508-765-00	3P PLUG (M)				
		COIL				
L201	1-408-424-00	MICRO INDUCTOR 180UH				
		TRANSISTOR				
Q201	8-729-178-54	TRANSISTOR 2SC2785				
Q204	8-729-178-54	TRANSISTOR 2SC2785				
Q205	8-729-178-54	TRANSISTOR 2SC2785				
Q206	8-729-117-54	TRANSISTOR 2SA1175				
Q209	8-729-117-54	TRANSISTOR 2SA1175				
Q211	8-729-177-43	TRANSISTOR 2SD774				
		RESISTOR				
R201	1-249-441-11	CARBON	100K	5%	1/6W	
R202	1-249-441-11	CARBON	100K	5%	1/6W	
R203	1-249-419-11	CARBON	1.5K	5%	1/6W	
R204	1-249-429-11	CARBON	10K	5%	1/6W	
R205	1-249-429-11	CARBON	10K	5%	1/6W	
R206	1-249-429-11	CARBON	10K	5%	1/6W	
R207	1-249-419-11	CARBON	1.5K	5%	1/6W	
R208	1-249-419-11	CARBON	1.5K	5%	1/6W	
R211	1-249-415-11	CARBON	680	5%	1/6W	
R221 ⚠	1-249-403-51	CARBON	68	5%	1/4W	F
R222	1-249-429-11	CARBON	10K	5%	1/6W	
R223	1-249-433-11	CARBON	10K	5%	1/6W	
R224	1-249-437-11	CARBON	47K	5%	1/6W	
R225	1-247-815-00	CARBON	220	5%	1/6W	
R227	1-247-857-00	CARBON	12K	5%	1/6W	
R228	1-249-390-11	CARBON	5.6	5%	1/6W	
R229	1-247-857-00	CARBON	12K	5%	1/6W	
R230	1-249-433-11	CARBON	10K	5%	1/6W	
R231	1-247-873-00	CARBON	56K	5%	1/6W	
R232	1-247-815-00	CARBON	220	5%	1/6W	
R234	1-247-857-00	CARBON	12K	5%	1/6W	
R235 ⚠	1-249-390-51	CARBON	5.6	5%	1/4W	F
R236	1-249-429-11	CARBON	10K	5%	1/6W	
R237	1-249-429-11	CARBON	10K	5%	1/6W	
R238	1-249-423-11	CARBON	3.3K	5%	1/6W	
R239	1-249-437-11	CARBON	47K	5%	1/6W	
R240	1-247-857-00	CARBON	12K	5%	1/6W	
R241	1-249-441-11	CARBON	100K	5%	1/6W	

The components identified by shading and mark ⚠ are critical for safety. Replace only with part number specified.

Les composants identifiés par une trame et une marque ⚠ sont critiques pour la sécurité. Ne les remplacer que par une pièce portant le numéro spécifié.

Ref.No.	Part No.	Description				Remark
R242	1-249-429-11	CARBON	10K	5%	1/6W	
R243	1-249-425-11	CARBON	4.7K	5%	1/6W	
R244	1-249-417-11	CARBON	1K	5%	1/6W	
R245	1-249-417-11	CARBON	1K	5%	1/6W	
R246	1-249-417-11	CARBON	1K	5%	1/6W	
R252	1-249-419-11	CARBON	1.5K	5%	1/6W	
R257	1-249-423-11	CARBON	3.3K	5%	1/6W	

****

*9-990-890-01 H2 BOARD (KEY BOARD UNIT A)
****

DIODE

Ref.No.	Part No.	Description
D901	8-719-911-19	DIODE 1SS119
D902	8-719-911-19	DIODE 1SS119
D903	8-719-911-19	DIODE 1SS119
D904	8-719-911-19	DIODE 1SS119
D905	8-719-911-19	DIODE 1SS119
D906	8-719-911-19	DIODE 1SS119
D907	8-719-911-19	DIODE 1SS119
D908	8-719-911-19	DIODE 1SS119
D909	9-990-893-01	LED TLY263P
D910	9-990-893-01	LED TLY263P
D911	9-990-893-01	LED TLY263P
D912	9-990-893-01	LED TLY263P
D913	9-990-893-01	LED TLY263P
D914	9-990-893-01	LED TLY263P
D915	9-990-893-01	LED TLY263P
D916	9-990-893-01	LED TLY263P
D917	9-990-893-01	LED TLY263P
D918	9-990-893-01	LED TLY263P
D919	9-990-893-01	LED TLY263P
D920	9-990-893-01	LED TLY263P
D921	9-990-893-01	LED TLY263P
D922	9-990-893-01	LED TLY263P
D923	9-990-893-01	LED TLY263P
D924	9-990-893-01	LED TLY263P
D925	9-990-893-01	LED TLY263P
D926	9-990-893-01	LED TLY263P
D927	9-990-893-01	LED TLY263P
D928	9-990-893-01	LED TLY263P
D929	9-990-893-01	LED TLY263P
D930	9-990-893-01	LED TLY263P
D931	9-990-893-01	LED TLY263P

RESISTOR

Ref.No.	Part No.	Description			
R901	1-247-700-11	CARBON	100	5%	1/4W
R902	1-247-700-11	CARBON	100	5%	1/4W
R903	1-247-700-11	CARBON	100	5%	1/4W
R904	1-247-700-11	CARBON	100	5%	1/4W
R905	1-247-700-11	CARBON	100	5%	1/4W
R906	1-247-700-11	CARBON	100	5%	1/4W
R907	1-247-700-11	CARBON	100	5%	1/4W
R908	1-247-700-11	CARBON	100	5%	1/4W
R909	1-247-700-11	CARBON	100	5%	1/4W
R910	1-247-700-11	CARBON	100	5%	1/4W
R911	1-247-700-11	CARBON	100	5%	1/4W
R912	1-247-700-11	CARBON	100	5%	1/4W
R913	1-247-700-11	CARBON	100	5%	1/4W
R914	1-247-700-11	CARBON	100	5%	1/4W
R915	1-247-700-11	CARBON	100	5%	1/4W
R916	1-247-700-11	CARBON	100	5%	1/4W
R917	1-247-700-11	CARBON	100	5%	1/4W
R918	1-247-700-11	CARBON	100	5%	1/4W
R919	1-247-700-11	CARBON	100	5%	1/4W
R920	1-247-700-11	CARBON	100	5%	1/4W
R921	1-247-700-11	CARBON	100	5%	1/4W
R922	1-247-700-11	CARBON	100	5%	1/4W
R923	1-247-700-11	CARBON	100	5%	1/4W

SWITCH

Ref.No.	Part No.	Description
S901	1-553-766-00	MT SWITCH (KEY BOARD SWITCH)
S902	1-553-766-00	MT SWITCH (KEY BOARD SWITCH)
S903	1-553-766-00	MT SWITCH (KEY BOARD SWITCH)
S904	1-553-766-00	MT SWITCH (KEY BOARD SWITCH)
S905	1-553-766-00	MT SWITCH (KEY BOARD SWITCH)
S906	1-553-766-00	MT SWITCH (KEY BOARD SWITCH)
S907	1-553-766-00	MT SWITCH (KEY BOARD SWITCH)
S908	1-553-766-00	MT SWITCH (KEY BOARD SWITCH)
S909	1-553-766-00	MT SWITCH (KEY BOARD SWITCH)
S910	1-553-766-00	MT SWITCH (KEY BOARD SWITCH)
S911	1-553-766-00	MT SWITCH (KEY BOARD SWITCH)
S912	1-553-766-00	MT SWITCH (KEY BOARD SWITCH)
S913	1-553-766-00	MT SWITCH (KEY BOARD SWITCH)
S914	1-553-766-00	MT SWITCH (KEY BOARD SWITCH)
S915	1-553-766-00	MT SWITCH (KEY BOARD SWITCH)

****

*9-990-897-01 H1 BOARD (KEY BOARD UNIT B)
****

DIODE

Ref.No.	Part No.	Description
D935	8-719-911-19	DIODE 1SS119
D936	8-719-911-19	DIODE 1SS119
D937	8-719-911-19	DIODE 1SS119
D938	8-719-911-19	DIODE 1SS119
D939	8-719-911-19	DIODE 1SS119
D940	8-719-911-19	DIODE 1SS119
D941	8-719-911-19	DIODE 1SS119
D944	9-990-901-01	LED TLS263P
D946	9-990-901-01	LED TLS263P
D948	9-990-893-01	LED TLY263P
D949	9-990-893-01	LED TLY263P
D950	9-990-893-01	LED TLY263P
D951	9-990-893-01	LED TLY263P

Ref.No.	Part No.	Description				Remark
D952	9-990-893-01	LED TLY263P				
D953	9-990-893-01	LED TLY263P				
D954	9-990-893-01	LED TLY263P				
D955	9-990-893-01	LED TLY263P				
D956	9-990-893-01	LED TLY263P				
D957	9-990-893-01	LED TLY263P				
D958	9-990-893-01	LED TLY263P				
D959	9-990-893-01	LED TLY263P				
D960	9-990-893-01	LED TLY263P				
D961	9-990-893-01	LED TLY263P				
		RESISTOR				
R935	1-247-703-11	CARBON	180	5%	1/4W	
R937	1-247-133-00	CARBON	1.2K	5%	1/4W	
R938	1-247-700-11	CARBON	100	5%	1/4W	
R939	1-247-700-11	CARBON	100	5%	1/4W	
R940	1-247-700-11	CARBON	100	5%	1/4W	
R941	1-247-700-11	CARBON	100	5%	1/4W	
R942	1-247-700-11	CARBON	100	5%	1/4W	
R943	1-247-700-11	CARBON	100	5%	1/4W	
R944	1-247-700-11	CARBON	100	5%	1/4W	
R945	1-247-700-11	CARBON	100	5%	1/4W	
R946	1-247-700-11	CARBON	100	5%	1/4W	
R947	1-247-700-11	CARBON	100	5%	1/4W	
R948	1-247-700-11	CARBON	100	5%	1/4W	
R949	1-247-700-11	CARBON	100	5%	1/4W	
R950	1-247-700-11	CARBON	100	5%	1/4W	
R951	1-247-700-11	CARBON	100	5%	1/4W	
		SWITCH				
S935	1-553-766-00	MT SWITCH (KEY BOARD SWITCH)				
S936	1-553-766-00	MT SWITCH (KEY BOARD SWITCH)				
S937	1-553-766-00	MT SWITCH (KEY BOARD SWITCH)				
S938	1-553-766-00	MT SWITCH (KEY BOARD SWITCH)				
S939	1-553-766-00	MT SWITCH (KEY BOARD SWITCH)				
S940	1-553-766-00	MT SWITCH (KEY BOARD SWITCH)				
S941	1-553-766-00	MT SWITCH (KEY BOARD SWITCH)				
S942	1-553-766-00	MT SWITCH (KEY BOARD SWITCH)				
S943	1-553-766-00	MT SWITCH (KEY BOARD SWITCH)				

****

	*9-990-898-01	N BOARD (KEY BOARD UNIT B) *******	
IC935	8-741-138-70	IC BX1387 (DETECTOR)	

****

MISCELLANEOUS
****

Ref.No.	Part No.	Description	Remark
	⚠1-230-712-21	RESISTOR ASSY, HIGH-VOLTAGE	
	⚠1-426-296-11	COIL, DEMAGNETIZATION	
	⚠1-451-255-22	DEFLECTION YOKE (SY-164)	
	1-452-032-00	MAGNET, DISK; 10MM ø	
	1-452-094-00	MEGNAT, ROTATABLE DISK; 15MM ø	
	1-452-146-21	MAGNET, BMC	
	⚠1-452-351-22	NECK ASSY, CRT (NA302)	
	1-464-747-11	KEY BOARD UNIT (A)	
	1-464-748-11	KEY BOARD UNIT (B)	
	⚠1-526-920-12	AC OUTLET (WITH EARTH)	
	⚠1-557-970-11	CORD, POWER	
R1901	⚠1-205-904-11	RES, CEMENT WIREWOUND 1 5% 30W	
S1901	⚠1-554-966-12	SWITCH, PUSH (AC POWER)(1 KEY)	
S1902	⚠1-570-757-11	SWITCH, PUSH (DEGAUSS SWITCH)	
T604	⚠1-439-339-12	TRANSFORMER ASSY, FLYBACK	
V901	⚠8-736-652-05	CRT (A64JKJ10X)	

****

ACCESSORIES AND PACKING MATERIALS
****

Part No.	Description	Remark
A-1470-783-A	COMMANDER ASSY (RM-739)	
1-566-316-11	**CONNECTOR, CONVERSION**	
*3-548-372-00	BAG, POLYETHYLENE	
*4-371-190-01	INDIVIDUAL CARTON (FOR LIGHT GRAY)	
*4-371-191-01	INDIVIDUAL CARTON (FOR DARK GRAY)	
*4-371-192-01	CUSHION (FRONT)	
*4-380-432-01	BAG, PROTECTION	
*4-382-051-01	CUSHION (LOWER) (ASSY)	
*4-382-053-01	CUSHION (UPPER) (ASSY)	
4-482-344-21	MANUAL, INSTRUCTION	
4-491-213-22	INSTRUCTION	

The components identified by shading and mark ⚠ are critical for safety. Replace only with part number specified.

Les composants identifiés par une trame et une marque ⚠ sont critiques pour la sécurité. Ne les remplacer que par une pièce portant le numéro spécifié.

MEMO

PVM-2530
RM-739

SONY
SERVICE MANUAL

US Model
Canadian Model

Chassis No. SCC-A58A-A
Serial No. 5,002,401 and later
Serial No. 5,000,601 and later
No. 1

SUPPLEMENT

SUBJECT : CIRCUIT MODIFICATION

DARK GRAY Serial No. 5,002,401 and later.
LIGHT GRAY Serial No. 5,000,601 and later.

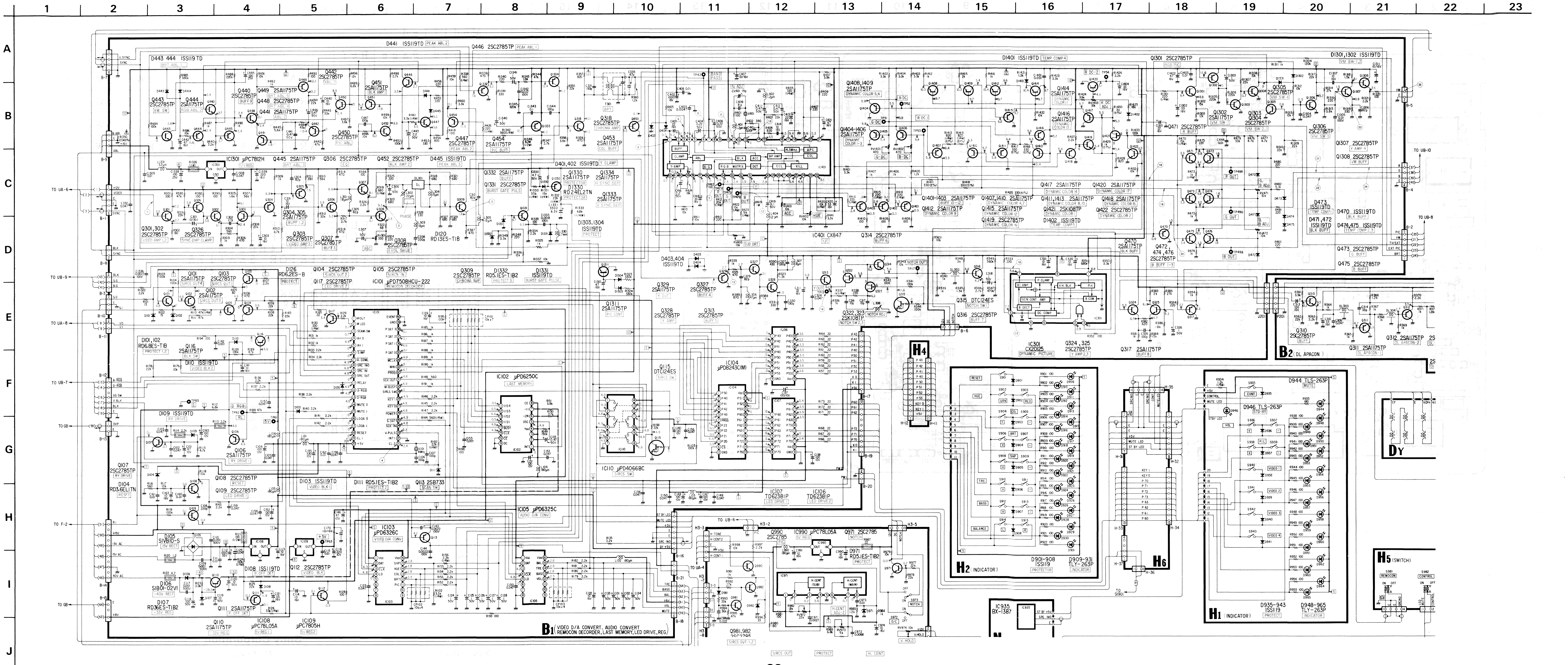
INTRODUCTIONS

1. B, board have been added.
2. D, UB, H_3 and K board have been modified.

MICROFILM

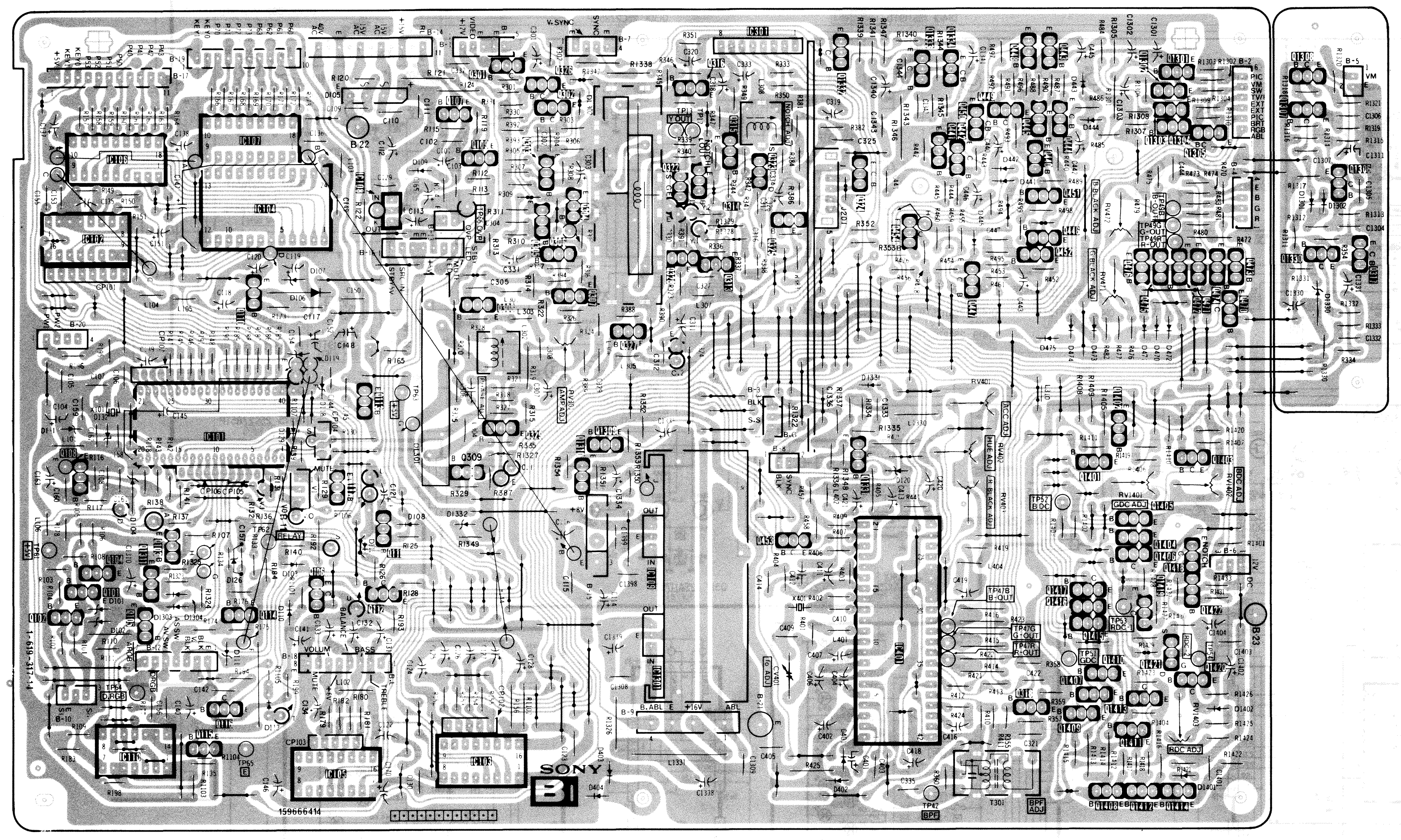
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Wharton NJ 07885
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SCHEMATIC DIAGRAMS B_1 board ☛ : Added (Page 43)



B1 VIDEO D/A CONVERT, AUDIO CONVERT, REMOCON DECORDER, LAST MEMORY, LED DRIVE, REG

– B1 Board –



Q IC	D	ADJ	TP
IC301, 448, 443			
301,1333			
1332,1334			
1301,1308			
326,316,1302			
107,302, 1307	105 443		
1303,1304			
449,1305	444		
450,445,444			13
IC107,315,441			
109,442,440			
IC106,303,323	109		
322,314	441		
324			
304,451,1306	1301 1302		
IC104, 305			
IC108,325,454			49B
IC102 446		RV472	49G
306,452			
317	445		49R
328,313,1330			
476,475,472			
471,474,473	107		
110, 447,470	106	RV471	
308,307	1330		
327	474,473 471,470 475,472	RV301	
113	118 1331		63
IC101, 329		RV401	
1402	131 132		
	129		
1331,1403		RV402 RV403	
1401	120	RV1401	
108,309		RV1402	
117	104		
1405			52
1404			
111 1406	108,1332		
103 453			62
IC109, 1418			61
	103		
104,1311	126		
	1304		
101,106,112,1422	101,1303		
102, 1417	102, 110		53
1416			
1415,1419			47B
105 1421			47G
IC1301			
	111		47R
IC401			
1410,1420		CV401	51
			64
1407,1413			
318			
116	1402		
1409			
1411			
		RV1403	
IC110, 115	403		65
IC103	401 1401		
	402		
IC105 1408	404		42
1412			
1414			
Q IC	D	ADJ	TP

SCHEMATIC DIAGRAMS

:Modified

Board	Page	Ref	Description
D	45	R1543	METAL OXIDE 2.2K 1W→330 1W
H3	43	R993	CARBON 39K 1/4W→27K 1/4W
K	36	R223	CARBON 10K 1/4W→22K 1/4W
		R230	CARBON 10K 1/6W→22K 1/4W

ELECTRICAL PARTS LIST

B BOARD

C1330	1-123-369-00	ELECT 4.7MF 20% 50V
C1331	1-124-621-91	ELECT 3300MF 20% 6.3V
D1330	8-719-155-03	DIODE RD24EL2TN
Q1330	8-729-101-54	TRANSISTOR 2SA1175
R1330	1-249-435-11	CARBON 33K 5% 1/4W
R1331	1-249-431-11	CARBON 15K 5% 1/4W
R1332	1-249-433-11	CARBON 22K 5% 1/4W
R1333	1-249-427-11	CARBON 6.8K 5% 1/4W

D BOARD

R1534	1-215-866-51	METAL OXIDE 330 5% 1W

UB BOARD

R3381	1-249-434-11	CARBON 27K 5% 1/6W
R3382	1-249-417-11	CARBON 1K 5% 1/6W

H3 BOARD

R993	1-249-434-11	CARBON 27K 5% 1/4W

K BOARD

R223	1-249-433-11	CARBON 22K 5% 1/4W
R230	1-249-433-11	CARBON 22K 5% 1/4W

9-963-718-81

Sony Corporation
TV Group

English
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TV Group

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English
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PVM-2530
RM-739

SONY.
SERVICE MANUAL

US Model
Canadian Model
Serial No. 2,005,001 and later
Chassis No. SCC-A58A-A

No.2

SUPPLEMENT

File this supplement with the service manual.

Note: This service manual is to be used with the PVM-2530 with S Video terminal.

SPECIFICATIONS

Color system NTSC system
Picture tube Trinitron tube
Approx. 63.5 cm picture measured diagonally, 100-degree deflection, AG Pitch 0.73 mm
Resolution VTR inputs: 560 TV lines
RGB inputs: 640 × 200 dots (2 000 characters)
Color temperature
9300°K (When the NEW DYNAMIC COLOR select switch is set to OFF.)
Frequency response
10 MHz (−3 to +4 dB, RGB)
6 MHz (−3 dB, composite video)
Horizontal linearity
Less than ±5%
Vertical linearity Less than ±5%
Line pull range Horizontal: ±500 Hz
Vertical: −8 Hz
Overscan of the picture
Less than +7%
Input return loss More than 35 dB up to 4 MHz
Zooming Within 5%
Convergence Central area:
within 1,0 mm
Periphery:
within 1,8 mm

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Inputs
VIDEO IN: LINE A/B: BNC connector
composite video, 1 Vp-p ±6 dB, sync negative, 75-ohms termination switchable
VTR: 8-pin connector,
composite video, 1 Vp-p ±6 dB, sync negative, 75-ohms terminated
S VIDEO: 4-pin, mini-DIN
Y (luminance signal); 1 Vp-p, 75-ohms, unbalanced, sync negative
C (chrominance signal); 0.286 Vp-p (burst signal), 75-ohms
AUDIO IN: LINE A/B: Phono jack,
−5 dBs, high impedance
VTR: 8-pin connector, −5 dBs, high impedance
AUDIO (for S video): Phono jack, −5 dBs, high impedance
CMPTR 25-pin connector (See "Pin assignment")

Outputs
VIDEO OUT: LINE A/B: BNC connector
AUDIO OUT: LINE A/B: Phono jack
SPEAKER: 8 ohms (15 W + 15 W)
Power requirements
120 V AC, 50/60 Hz
Power consumption
180 W max
Dimensions
Approx. 653 × 508 × 491 mm (w/h/d)
($25^3/_4 \times 20 \times 19^3/_8$ inches)
Approx. 53 kg (116 lb 14 oz)

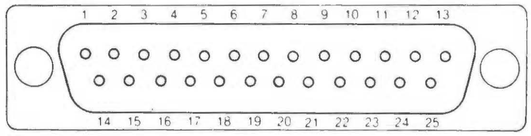
Supplied accessories
Remote commander RM-739, with 2 batteries
(IEC designation R6) 1
BNC-Phono adaptor plug 4

Optional accessories
SU-539 TV stand
SU-541 TV stand
SS-X6A speaker system
APM-X5A speaker system

MICROFILM

MON

CMPTR connector (25-pin)
Pin assignment



Pin No.	Signal	Signal level
1*	IBM select	High state (5 V): IBM mode Low state: 3 Bit TTL
2	Audio select	High state (5 V or open): Audio inputs from pin 13. Low state (less than 0.4 V): Audio inputs from the LINE A/LINE B AUDIO IN jacks or VTR connector
3	H. sync or composite sync	Negative polarity When the high state is selected at pin 9: 1 Vp-p, 75-ohm terminated When the low state is selected at pin 9: TTL level
4	Blue input	Positive polarity When the high state is selected at pin 9: Analog signal (0.7 Vp-p, 75-ohm terminated, non sync 1 Vp-p, 75-ohm terminated, with sync on G-signal) When the low state is selected at pin 9: Digital signal (TTL level)
5	Green input	
6	Red input	
7	No connection	—
8		
9*	Analog/digital mode select	High state (open): Analog signal (0.7 Vp-p) Low state (ground): Digital signal (TTL level)
10	RGB/NORMAL mode select	High state (5 V or open): RGB inputs from a microcomputer Low state (ground): Composite video inputs from the LINE A/LINE B VIDEO IN or VTR connector
11	V-sync	Negative polarity TTL level
12	Blanking	High state (5 V or open): Video inputs from a microcomputer only Low state (ground): Composite video input from the LINE A/LINE B VIDEO IN or VTR connector During the low state, the video signal from the microcomputer is blanked and the composite video signal from the LINE A/LINE B VIDEO IN or VTR connector is superimposed over the signal from the microcomputer.
13	Audio input	Input level −5 dB (100% modulation), input impedance more than 47 k ohms
14	No connection	—
15-24	Ground	
25*	IBM luminance signal	Positive polarity When the high state is selected at pin 1: TTL level When the low state is selected at pin 1: Low state (ground)

* Examples for microcomputer connections

Pin No. / Microcomputer	1	9	25
Analog signal	—	High state	—
IBM computer	High state	Low state	IBM luminance signal
TTL 3BIT computer	Low state	Low state	Low state

While the information given is true at the time of printing, small production changes in the course of our company's policy of improvement through research and design might not necessarily be indicated in the specifications. We would ask you to check with your appointed Sony dealer if clarification on any point is required.

Design and specifications subject to change without notice.

TABLE OF CONTENTS

WARNING !!

AN ISOLATION TRANSFORMER SHOULD BE USED DURING ANY SERVICE TO AVOID POSSIBLE SHOCK HAZARD, BECAUSE OF LIVE CHASSIS.
THE CHASSIS OF THIS RECEIVER IS DIRECTLY CONNECTED TO THE AC POWER LINE.

SAFETY-RELATED COMPONENT WARNING !!

COMPONENTS IDENTIFIED BY SHADING AND MARK ⚠ ON THE SCHEMATIC DIAGRAMS, EXPLODED VIEWS AND IN THE PARTS LIST ARE CRITICAL TO SAFE OPERATION. REPLACE THESE COMPONENTS WITH SONY PARTS WHOSE PART NUMBERS APPEAR AS SHOWN IN THIS MANUAL OR IN SUPPLEMENTS PUBLISHED BY SONY. CIRCUIT ADJUSTMENTS THAT ARE CRITICAL TO SAFE OPERATION ARE IDENTIFIED IN THIS MANUAL. FOLLOW THESE PROCEDURES WHENEVER CRITICAL COMPONENTS ARE REPLACED OR IMPROPER OPERATION IS SUSPECTED.

ATTENTION!!

AFIN D'EVITER TOUT RISQUE D'ELECTROCUTION PROVENANT D'UN CHÂSSIS SOUS TENSION, UN TRANSFORMATEUR D'ISOLEMENT DOIT ETRE UTILISÉ LORS DE TOUT DÉPANNAGE.
LE CHÂSSIS DE CE RÉCEPTEUR EST DIRECTEMENT RACCORDÉ À L'ALIMENTATION SECTEUR.

ATTENTION AUX COMPOSANTS RELATIFS À LA SÉCURITÉ!!

LES COMPOSANTS IDENTIFIÈS PAR UNE TRAME ET PAR UNE MARQUE ⚠ SUR LES SCHÉMAS DE PRINCIPE, LES VUES EXPLOSÉES ET LES LISTES DE PIECES SONT D'UNE IMPORTANCE CRITIQUE POUR LA SÉCURITÉ DU FONCTIONNEMENT. NE LES REMPLACER QUE PAR DES COMPOSANTS SONY DONT LE NUMÉRO DE PIÉCE EST INDIQUÉ DANS LE PRÉSENT MANUEL OU DANS DES SUPPLÉMENTS PUBLIÉS PAR SONY. LES RÉGLAGES DE CIRCUIT DONT L'IMPORTANCE EST CRITIQUE POUR LA SÉCURITÉ DU FONCTIONNEMENT SONT IDENTIFIES DANS LE PRÉSENT MANUEL. SUIVRE CES PROCÉDURES LORS DE CHAQUE REMPLACEMENT DE COMPOSANTS CRITIQUES, OU LORSQU'UN MAUVAIS FONCTIONNEMENT EST SUSPECTÉ.

SAFETY CHECK-OUT
(US Model only)

After correcting the original service problem, perform the following safety checks before releasing the set to the customer:

1. Check the area of your repair for unsoldered or poorly-soldered connections. Check the entire board surface for solder splashes and bridges.
2. Check the interboard wiring to ensure that no wires are "pinched" or contact high-wattage resistors.
3. Check that all control knobs, shields, covers, ground straps, and mounting hardware have been replaced. Be absolutely certain that you have replaced all the insulators.
4. Look for unauthorized replacement parts, particularly transistors, that were installed during a previous repair. Point them out to the customer and recommend their replacement.
5. Look for parts which, though functioning, show obvious signs of deterioration. Point them out to the customer and recommend their replacement.
6. Check the line cord for cracks and abrasion. Recommend the replacement of any such line cord to the customer.
7. Check the condition of the monopole antenna (if any).
   Make sure the end is not broken off, and has the plastic cap on it. Point out the danger of impalement on a broken antenna to the customer, and recommend the antenna's replacement.
8. Check the B+ and HV to see they are at the values specified. Make sure your instruments are accurate; be suspicious of your HV meter if sets always have low HV.
9. Check the antenna terminals, metal trim, "metallized" knobs, screws, and all other exposed metal parts for AC leakage. Check leakage as described below.

LEAKAGE TEST

The AC leakage from any exposed metal part to earth ground and from all exposed metal parts to any exposed metal part having a return to chassis, must not exceed 0.5 mA (500 microampers). Leakage current can be measured by any one of three methods.

1. A commercial leakage tester, such as the Simpson 229 or RCA WT-540A. Follow the manufacturers' instructions to use these instruments.
2. A battery-operated AC milliammeter. The Data Precision 245 digital multimeter is suitable for this job.
3. Measuring the voltage drop across a resistor by means of a VOM or battery-operated AC voltmeter. The "limit" indication is 0.75 V, so analog meters must have an accurate low-voltage scale. The Simpson 250 and Sanwa SH-63Trd are examples of a passive VOM that is suitable. Nearly all battery operated digital multimeters that have a 2 V AC range are suitable. (See Fig. A)

HOW TO FIND A GOOD EARTH GROUND

A cold-water pipe is guaranteed earth ground; the cover-plate retaining screw on most AC outlet boxes is also at earth ground. If the retaining screw is to be used as your earth-ground, verify that it is at ground by measuring the resistance between it and a cold-water pipe with an ohmmeter. The reading should be zero ohms. If a cold-water pipe is not accessible, connect a 60–100 watts trouble light (not a neon lamp) between the hot side of the receptacle and the retaining screw. Try both slots, if necessary, to locate the hot side of the line, the lamp should light at normal brilliance if the screw is at ground potential. (See Fig. B)

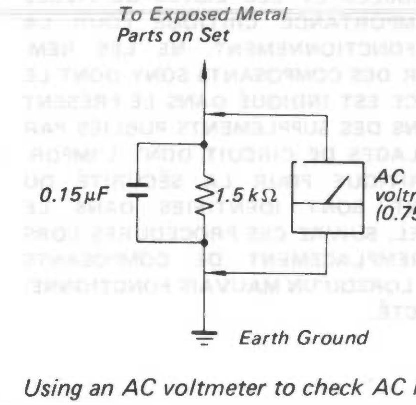


Fig. A. Using an AC voltmeter to check AC leakage.

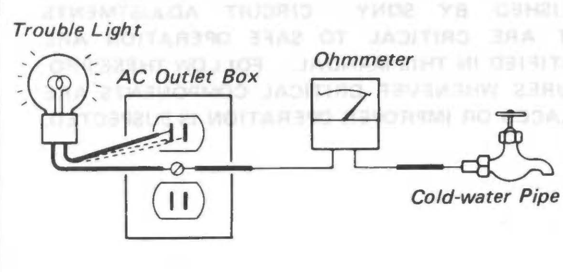
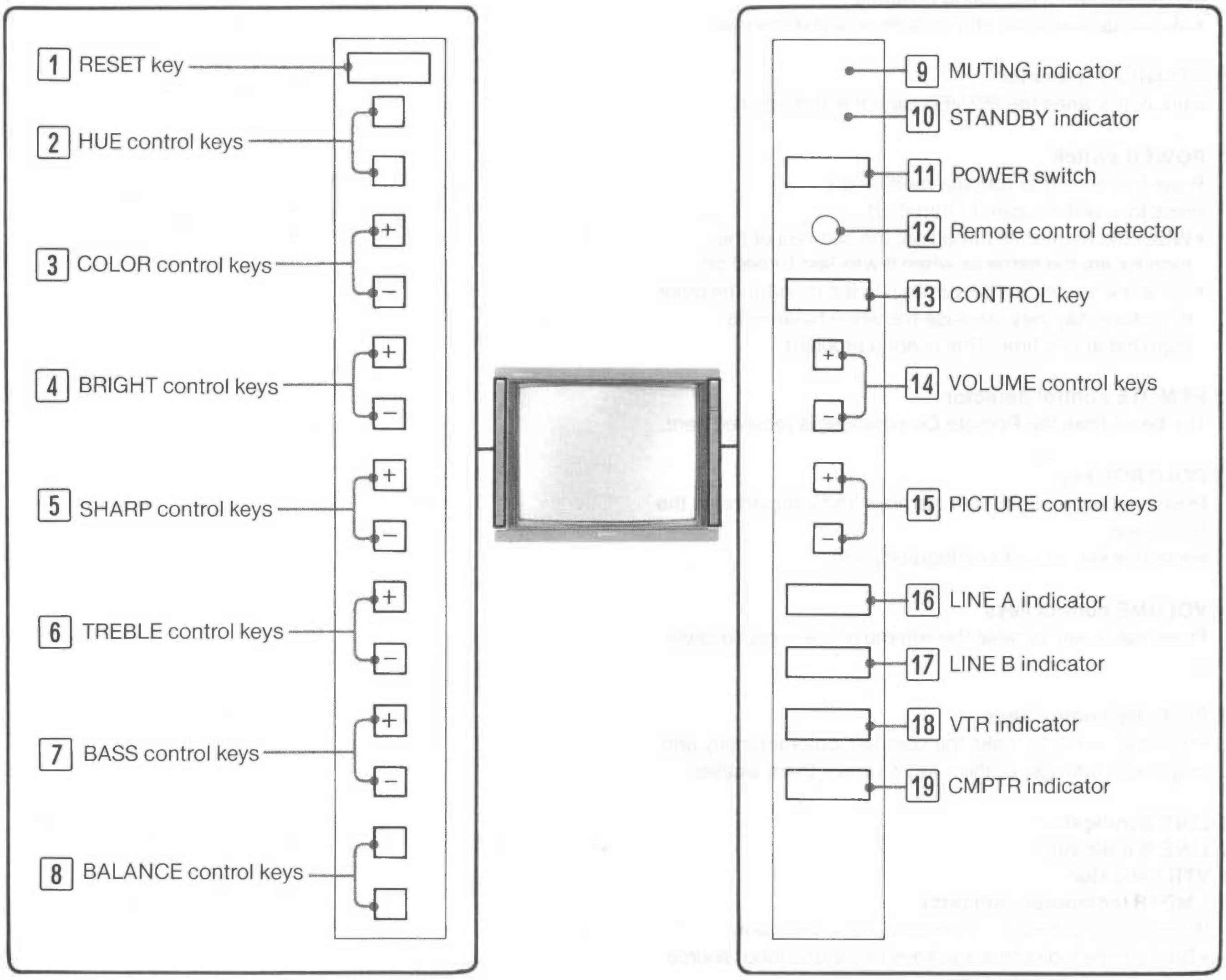


Fig. B. Checking for earth ground.

SECTION 1
GENERAL

1-1. LOCATION AND FUNCTION OF PARTS AND CONTROLS

Front panel



• Press CONTROL key after power is turned on to light the control keys or indicators.

The following control keys are effective only when MANUAL CONTROL switch on the rear panel is set to ON.

1 RESET key
Press this key to return to the standard setting.
• This key is effective only for the control keys on the left.

2 HUE control keys
Press the GRN (green) key to make the skin tones greenish or the PUR (purple) key to make it purplish.

3 COLOR control keys
Press the + key to make the color intensity vivid or the – key to make it pale.

4 BRIGHT (brightness) control keys
Press the + key to make the picture brighter or the – key to make it darker.

5 SHARP (sharpness) control keys
Press the + key to obtain a sharp picture or the – key to obtain a less sharp picture.

6 TREBLE control keys
Press the + key to increase the treble (high tone) or the – key to decrease it.

7 BASS control keys
Press the + key to increase the bass (low tone) or the – key to decrease it.

8 BALANCE control keys
Press the L key to increase the sound volume of the left speaker or the R key to increase the sound volume of the right speaker.

9 MUTING indicator
Illuminates while the sound is muted.
- Muting is controlled only by a remote commander.

10 STAND BY indicator
Illuminates when the POWER switch is turned off.

11 POWER switch
Press this switch to turn the monitor on.
Press this switch again to turn it off.
- When the monitor is turned on, the settings of the monitor are the same as when it was last turned off.
- For a few seconds after turning on the monitor the color of picture may vary because the white balance is adjusted at this time. This is not a problem.

12 REMOTE control detector
The beam from the Remote Commander is received here.

13 CONTROL key
Press this key to illuminate the keys and indicators on the front panel.
Press this key again to extinguish them.

14 VOLUME control keys
Press the + key to raise the volume or the – key to lower it.

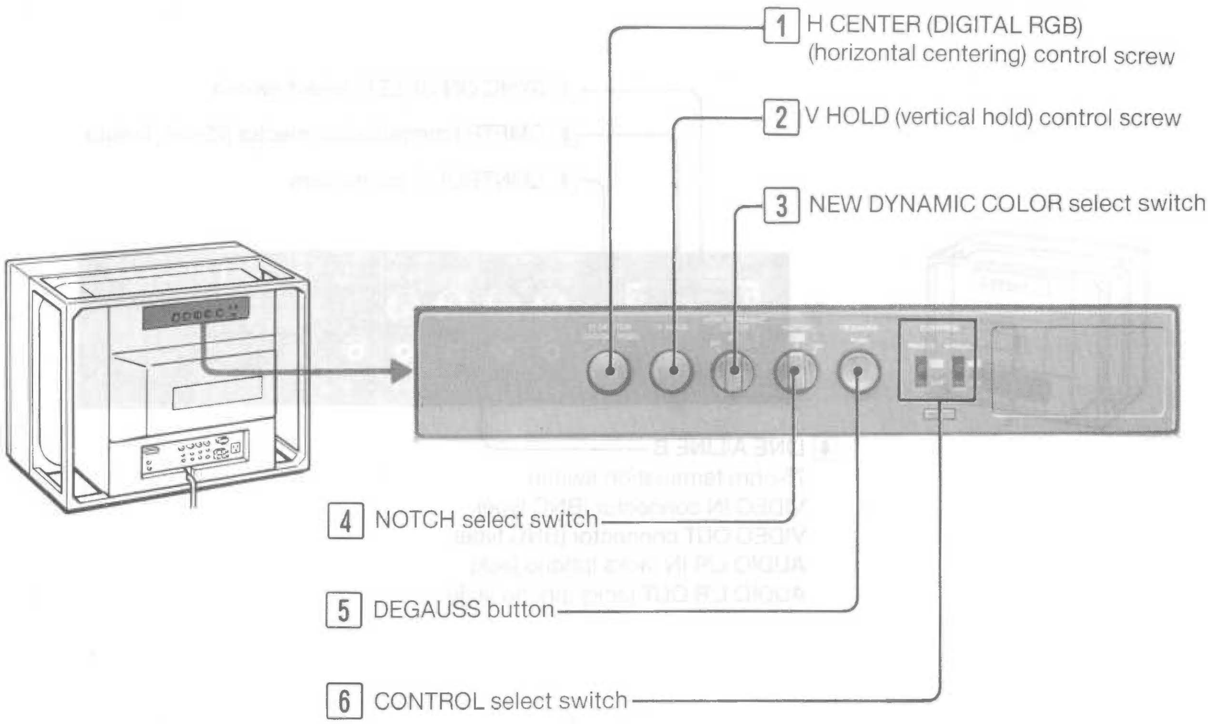
15 PICTURE control keys
Press the + key to make the contrast, color intensity and brightness stronger or the – key to make them weaker.

16 LINE A indicator
17 LINE B indicator
18 VTR indicator
19 CMPTR (computer) indicator
When the input source is selected, each indicator:
- Blinks if the indicators and keys excepting input source indicators illuminate.
- Illuminates if they are extinguished.

Note on the superimposing function
The PVM-2530 can superimpose the CMPTR input source onto the other input source. For this function once the CMPTR input source has been selected, both the indicator of the CMPTR input source and the indicator of the input source selected just before the CMPTR will blink or illuminate.

Key illumination
For the keys 1 through 8, 14 and 15:
- While each key is pressed, it blinks, indicating that adjustment is going on.
- During adjustment, if the adjustment value reaches the limit, the blinking speed becomes slower.

Rear panel



1 **H CENTER (DIGITAL RGB) (horizontal centering) control**
When the picture of DIGITAL RGB input is distorted horizontally, correct it with this control.

2 **V HOLD (vertical hold) control**
When the picture rolls vertically, correct it with this control.

3 **NEW DYNAMIC COLOR select switch**
Normally set to ON, which makes it possible to obtain natural skin tone and "blueish white".

4 **NOTCH select switch**
Normally set to OFF.
To eliminate notches forming along the horizontal boundary between the colors, set this switch to ON.

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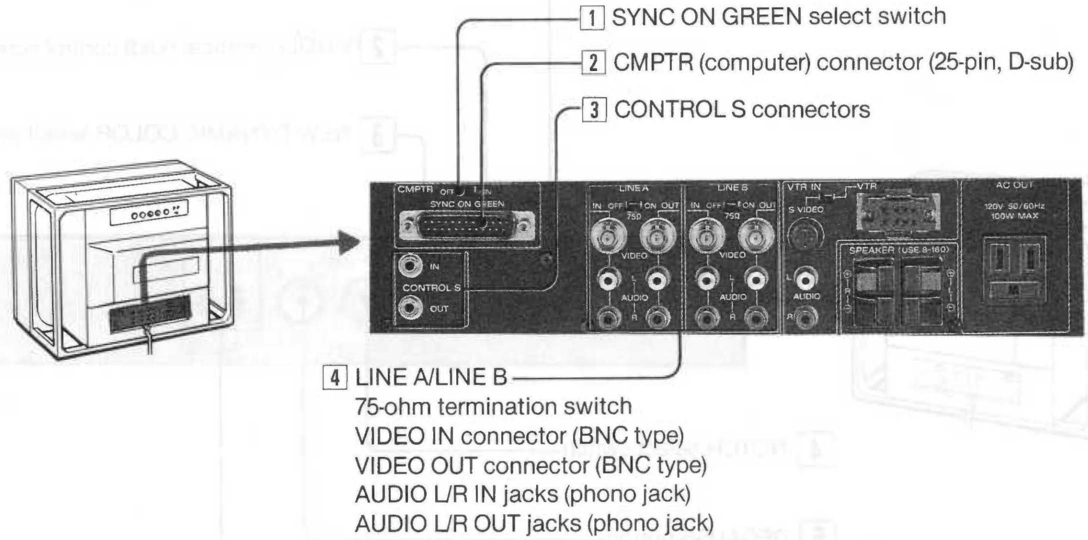
5 **DEGAUSS button**
Push this button for more than 5 seconds to demagnetize the screen.
(Just a touch may make the screen more magnetized.)
Wait for 10 minutes or more before activating this button again.

6 **CONTROL select switches**
Normally set to ON.

REMOTE CONTROL switch
Set this switch to ON to control the monitor with a Remote Commander.
If this switch is set to OFF, the remote control is not possible.

MANUAL CONTROL switch
Set this switch to ON to control the monitor manually.
To make the manual control of the control keys or switches on the front panel impossible, distinguish the indicators by pressing the CONTROL key on the front panel and set this switch to OFF.
(However remote control is possible if REMOTE CONTROL switch is set to ON.)

Connectors



1 SYNC ON GREEN select switch
When an RGB input source is connected to CMPTR connector, set this switch to:
ON to synchronize with the sync signal on G-signal.
OFF to synchronize with H./V. sync signal or composite sync signal.

2 CMPTR (computer) connector (25-pin, D-sub)
Connect to a microcomputor with digital or analog RGB outputs.
For the pin assignment, refer to SPECIFICATIONS.

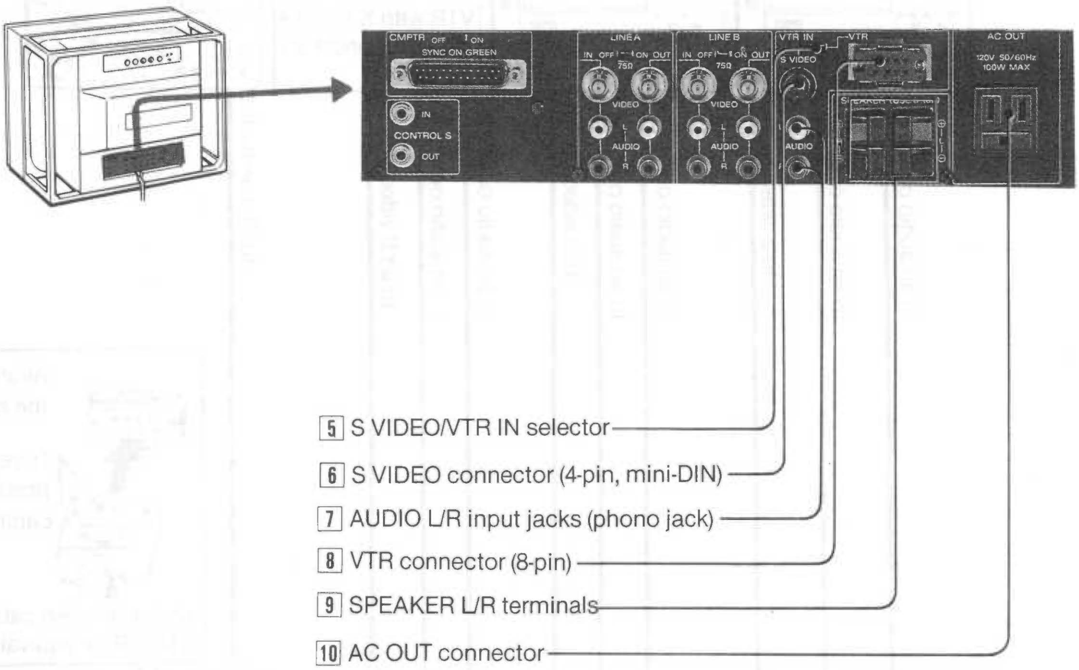
3 CONTROL S IN/OUT connectors
Connect to the CONTROL S connectors of a VTR or several monitors.
It is then possible to control the system with a single Remote Commander.

4 LINE A/LINE B

VIDEO IN connector (BNC type)
AUDIO L/R IN jacks (phono jack)
Connect to the video and audio outputs of a VTR or a camera.

VIDEO OUT connector (BNC type)
AUDIO L/R OUT jacks (phono jack)
Loop-through outputs of the IN connector and jacks.
Connect to the video and audio inputs of another monitor.

75-ohm termination switch
When only the VIDEO IN connector is used (nothing is connected to the VIDEO OUT connector), set this switch to ON.
When both connectors are used together for a loop-through connection), set this switch to OFF.



5 S VIDEO/VTR IN selector
To input the video/audio signals from S VIDEO/AUDIO connectors, set this to S VIDEO. To input the video/audio signals from the VTR connector, set this switch to VTR IN.

6 S VIDEO connector (4-pin, mini-DIN)
Connect to the VTR with an S VIDEO output connector.

7 AUDIO L/R input jacks (phono jack)
Connect to the audio outputs of a VTR.

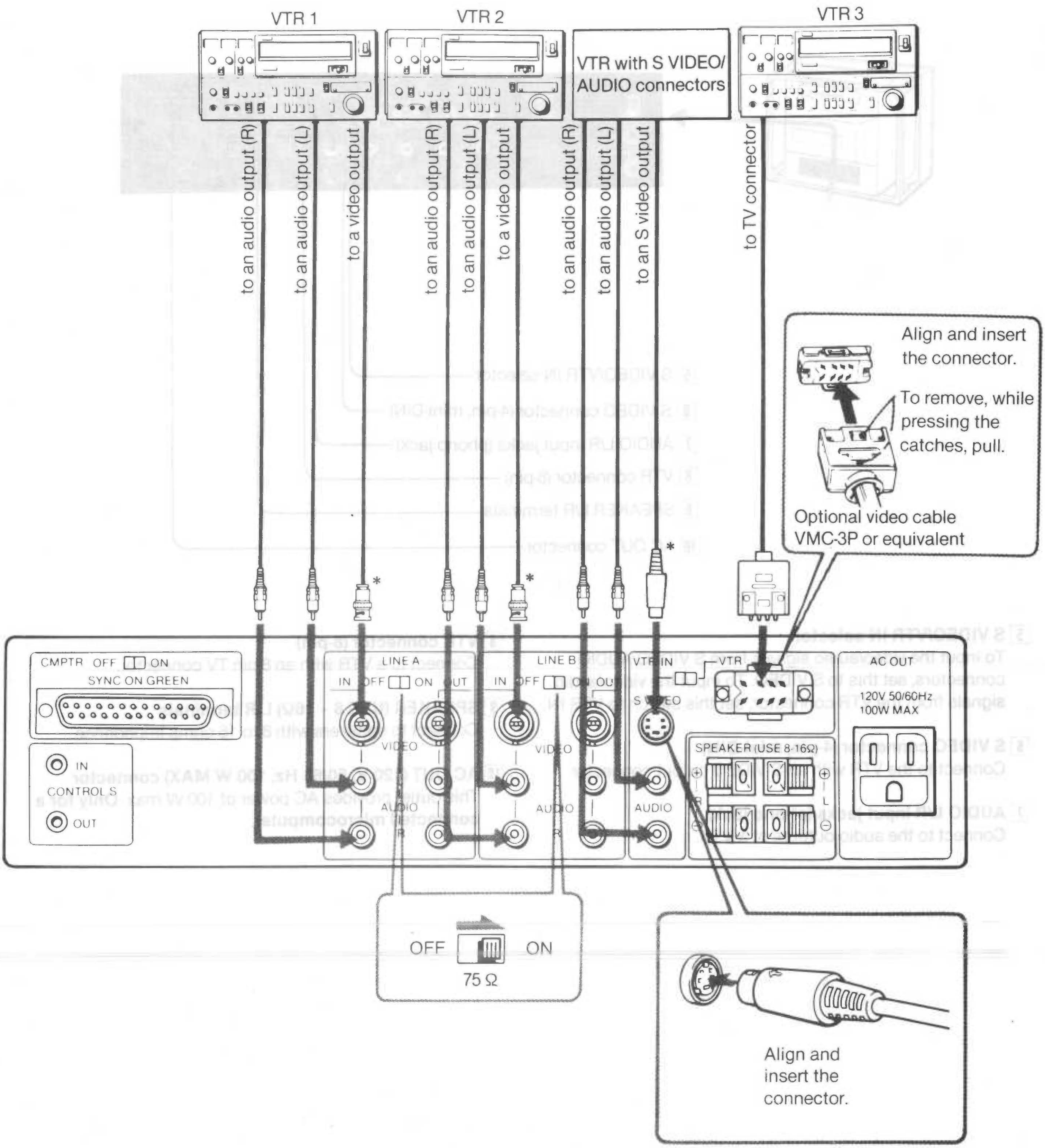
8 VTR connector (8-pin)
Connect to a VTR with an 8-pin TV connector.

9 SPEAKER (USE 8 - 16Ω) L/R terminals
Connect to speakers with 8 to 16 ohms impedance.

10 AC OUT (120 V, 50/60 Hz, 100 W MAX) connector
This outlet provides AC power of 100 W max. **Only for a connected microcomputer.**

1-2. SYSTEM CONNECTIONS

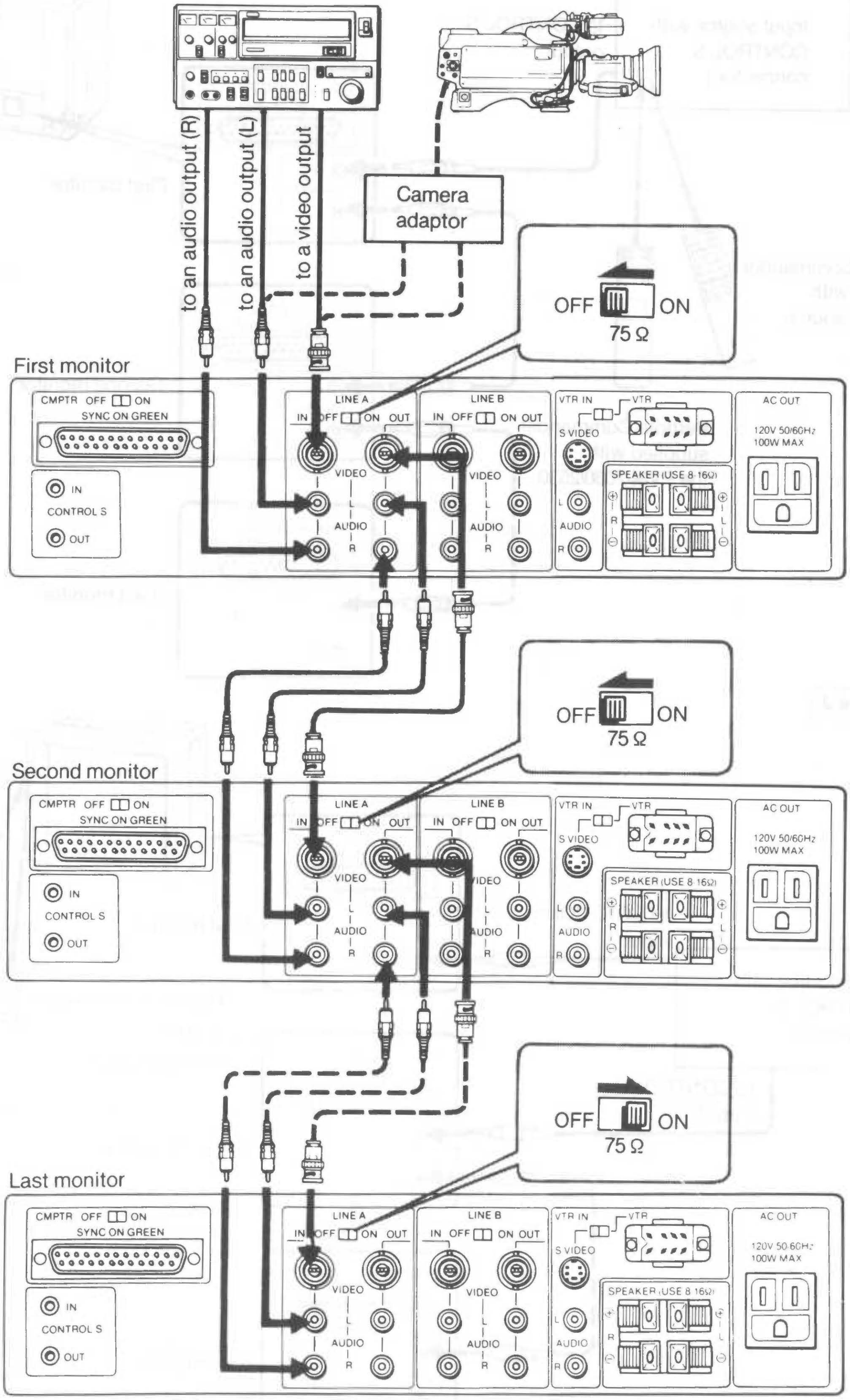
CONNECTING A VTR



* If the connected VTR's video output is an RCA phono jack, use the supplied BNC-Phono adaptor plug.

CONNECTING SEVERAL MONITORS

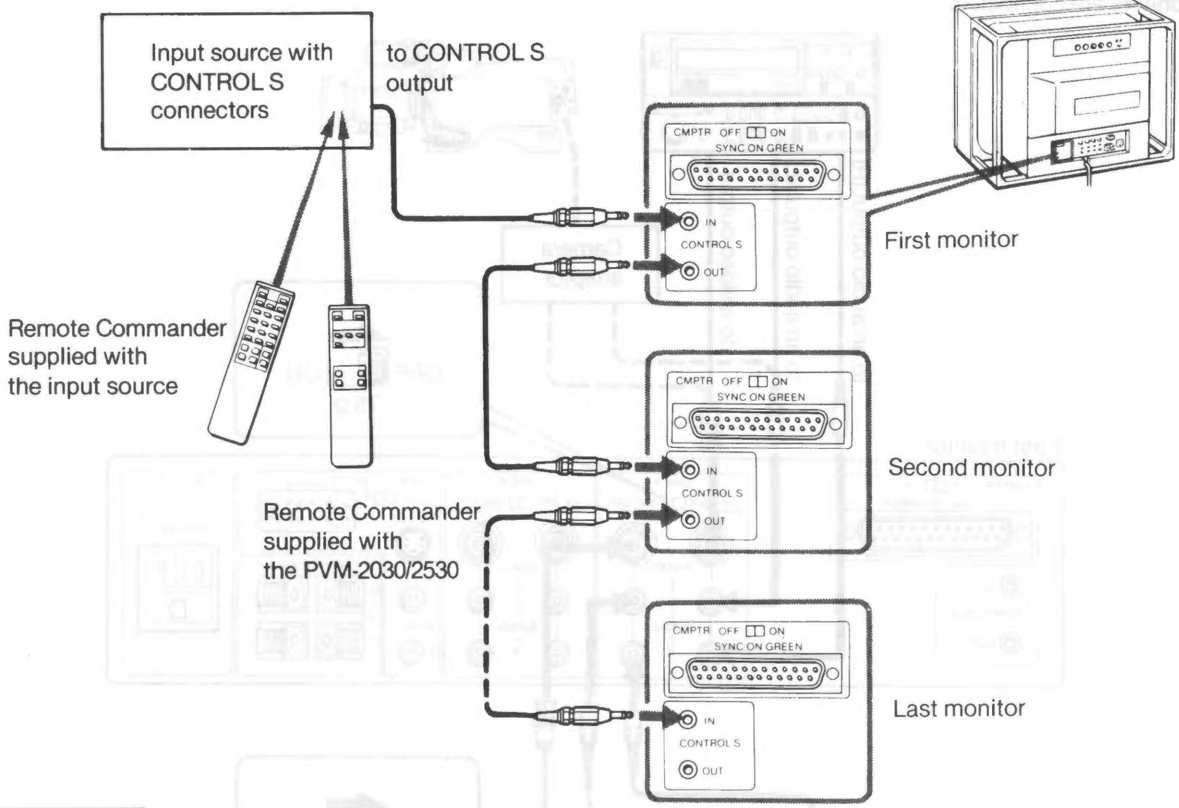
A loop-through connection is convenient for monitoring the same signal on other monitors. Up to 10 monitors can be connected. It is recommended to use a signal distributer when several monitors are connected.



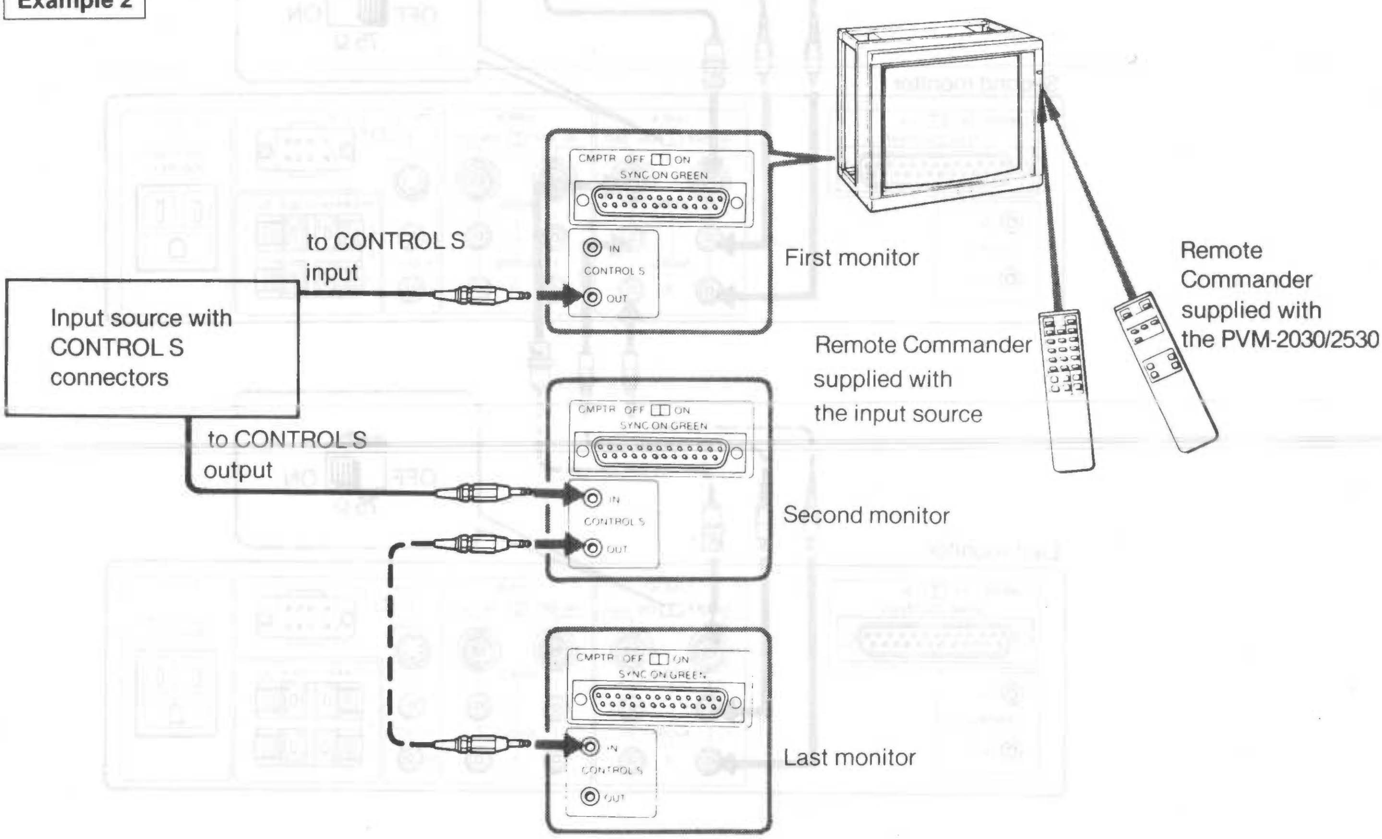
CONTROL S connection

The following connections allow remote control of several monitors and a VTR through a single monitor.

Example 1

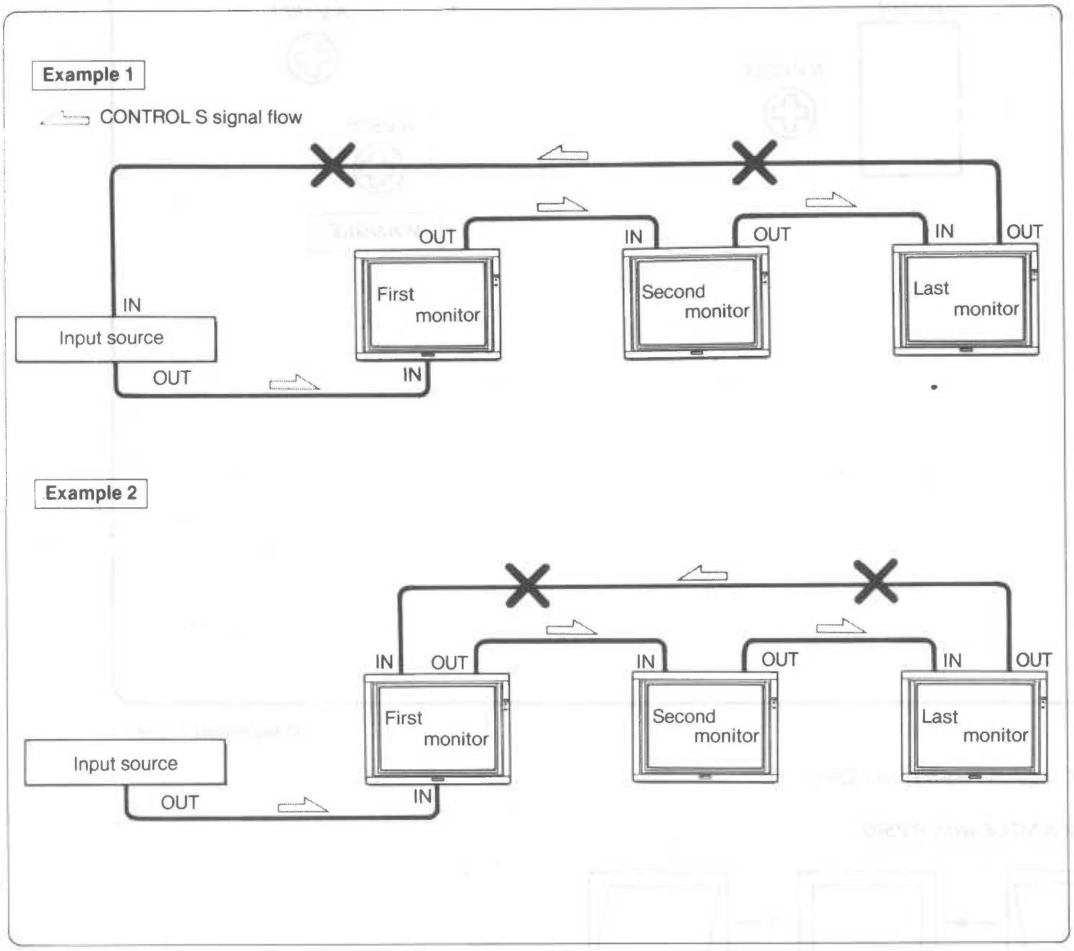


Example 2

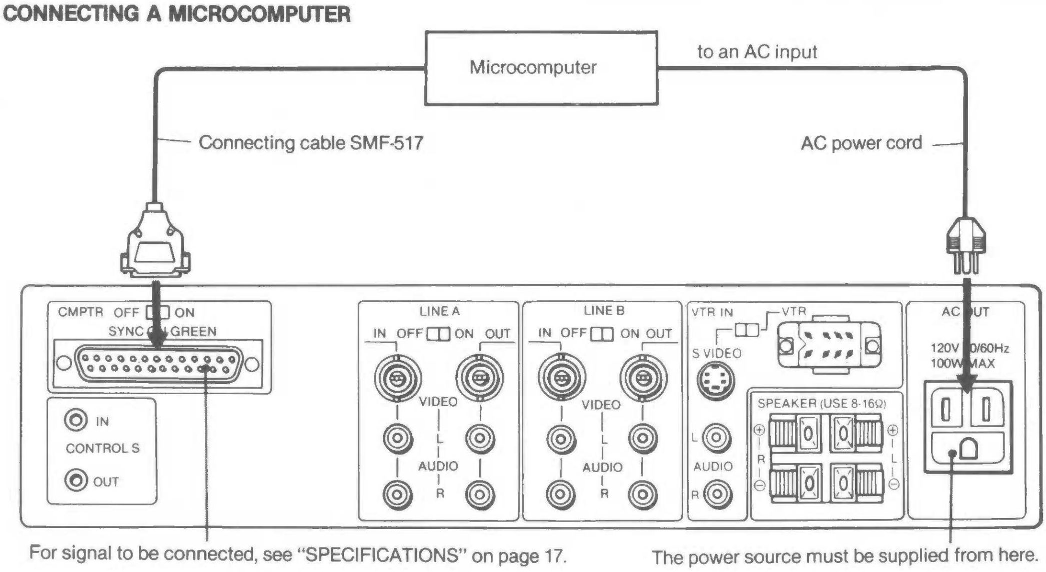


Note

Do not use the following loop connections.



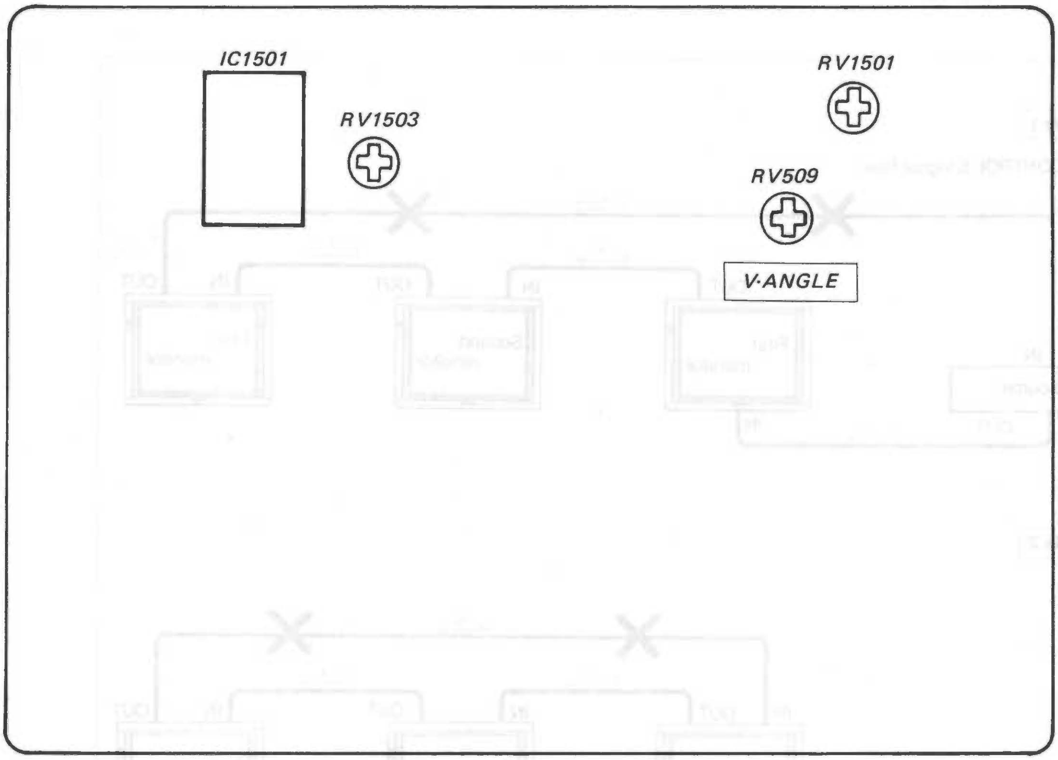
CONNECTING A MICROCOMPUTER



When a microcomputer has only a composite video output connector, connect it to the LINE A or LINE B VIDEO IN connector.

SECTION 5
CIRCUIT ADJUSTMENTS

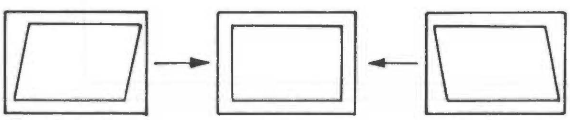
5-1. D BOARD ADJUSTMENT.



(Component Side)

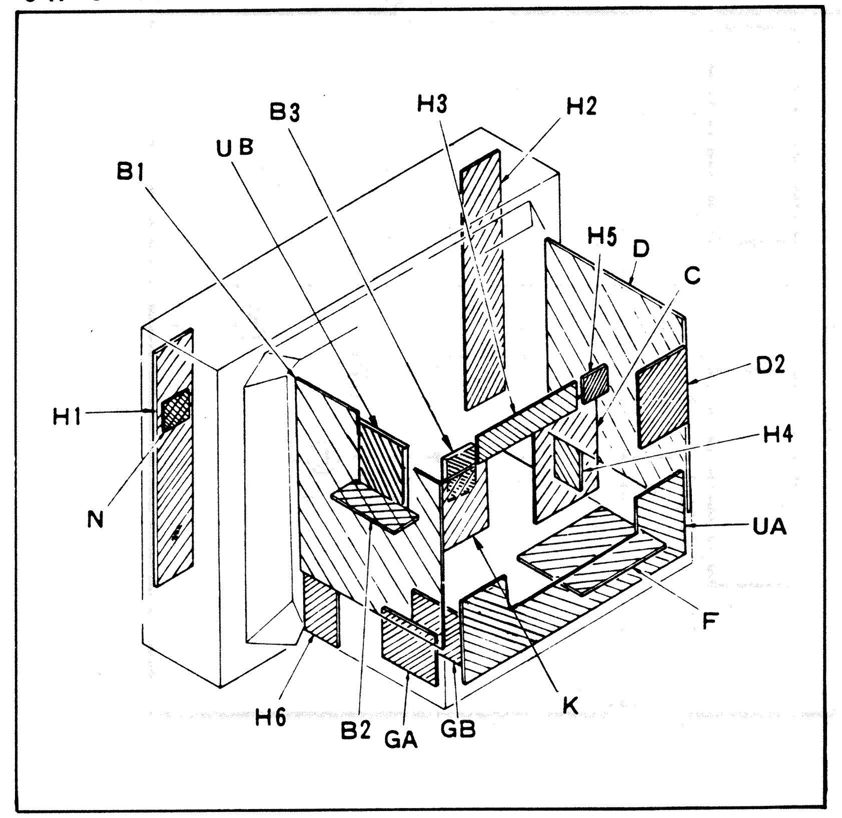
V·ANGLE ADJUSTMENT (RV509)

Adjust V·ANGLE with RV509


SECTION 6 DIAGRAMS

6-1. CIRCUIT BOARDS LOCATION



6-2. BLOCK DIAGRAMS



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Note: The components identified by shading and mark ⚠ are critical for safety. Replace only with part number specified.

Note: Les composants identifiés par une trame et par une marque ⚠ sont d'une importance critique pour la sécurité. Ne les remplacer que par des pièces de numéro spécifié.


Note:

- All capacitors are in μF unless otherwise noted. p: μμF 50WV or less are not indicated except for electrolytics.
- All resistors are in ohms, 1/4W unless otherwise noted. k: 1000Ω, M: 100kΩ.
- ▭ : nonflammable resitor.
- All variable and adjustable resistors have characteristicc curve B, unless otherwise noted.
- ▭ : fusible resistor.
- △ : internal component.
- ▭ : panel designation.
- The components indentified by ☒ in this manual have been carefully factory-selected for each set in order to satisfy regulations regarding X-ray radiation. Should replacement be required, replace only with the value originally used.
- When replacing components identified by ◪ mark the necessary adjustments indicated. If results do not meet the specified value, change the component identified by ☒ and repeat the adjustment until the specified value is achieved. (Refer to R597 adjustment on page 19, 20 of the Service Manual.)
  When replacing the part in below table, be sure to perform the related adjustment.

Part replaced (◪)	Adjustment (☒)
C1509, IC1501, IC1503, D520, D521, D522, D1540, Q522, Q523, R593, R594, R595, R596, R597, R598, R599, R1350, R1518, R1519, R1520, R1521, R1522, R1523, R1525, R1590, R1592, R1593, R1594, R1595, R1597, R1598,	R597

- Voltages are dc with respect to ground unless otherwise noted.
- Readings are taken with a 10MΩ digital multimeter.
- Voltage variations my be noted due to normal production tolerances.
- ▭ : adjustment to repair.
- Readings are taken with a color-bar-signal input.
- no mark: with NTSC(3.58MHz) color-bar signal received.
  ( ) : with DIGITAL color-bar signal received.
- Circled numbers refer to waveforms.
- B_3 board voltage readings are taken with inputting a color-bar S signal.

6-3. SCHEMATIC DIAGRAM (1)

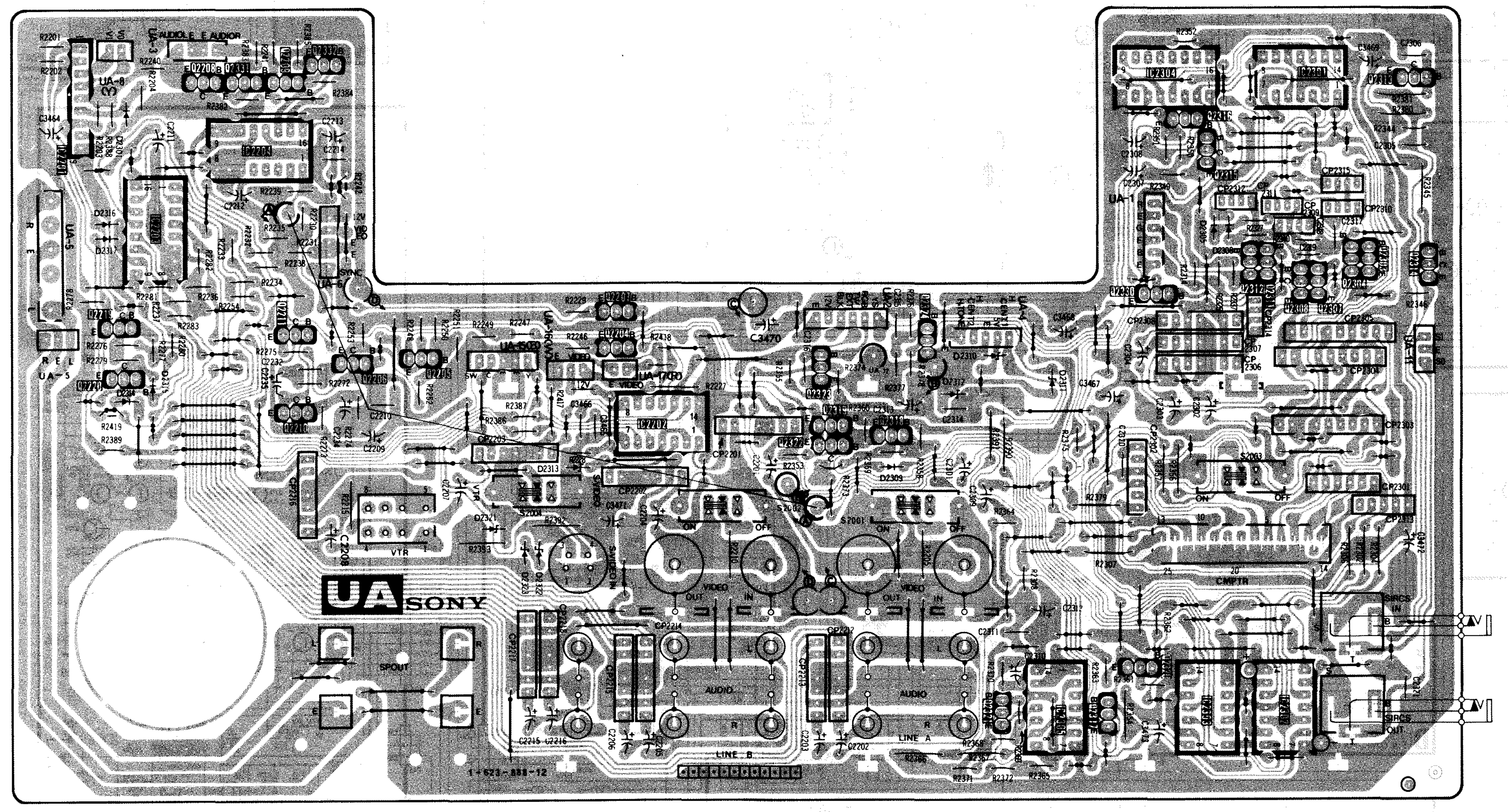


6-4. PRINTED WIRING BOARDS (1)

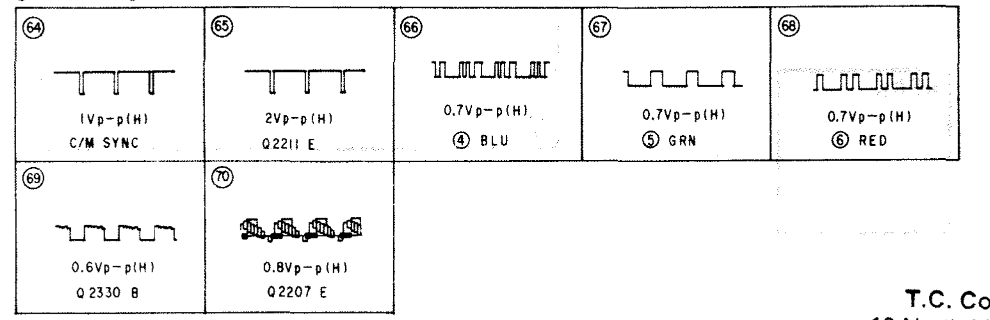
—Conductor side—

[AUDIO/VIDEO SW, SYNC PROCESS, TTL LOGIC] **UA** | **UA** **GA** [CONVERT OUT] | **GB** [RECT] | [AUDIO OUT CONTROL] **K** | **UB** [AWB CONT ABL, BLK SW] | **B3** [VIDEO SW] | **F** [POWER SUPPLY]

– UA Board –

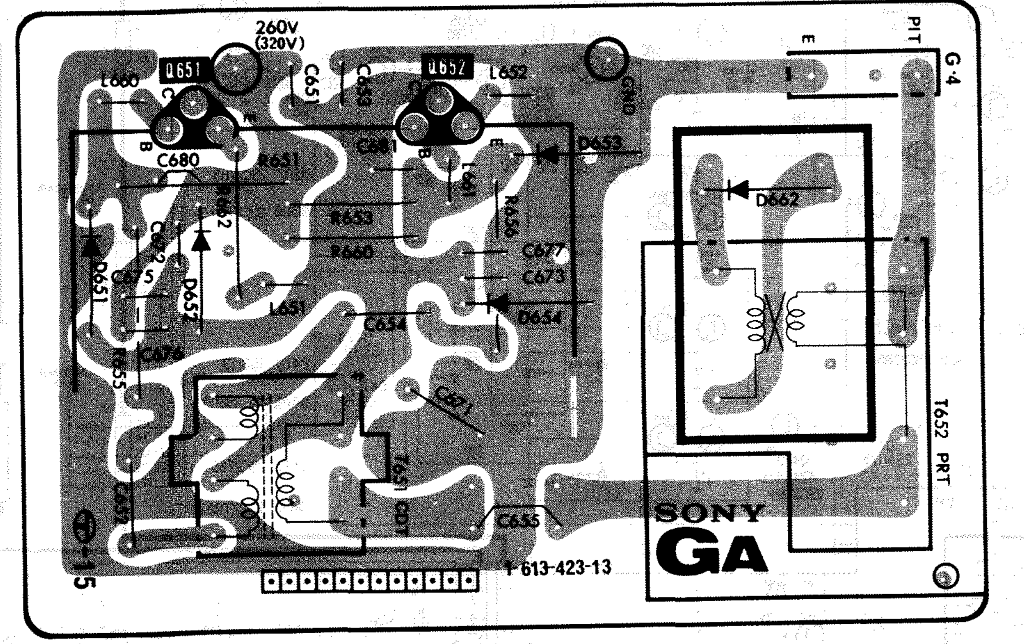


[UA BOARD]

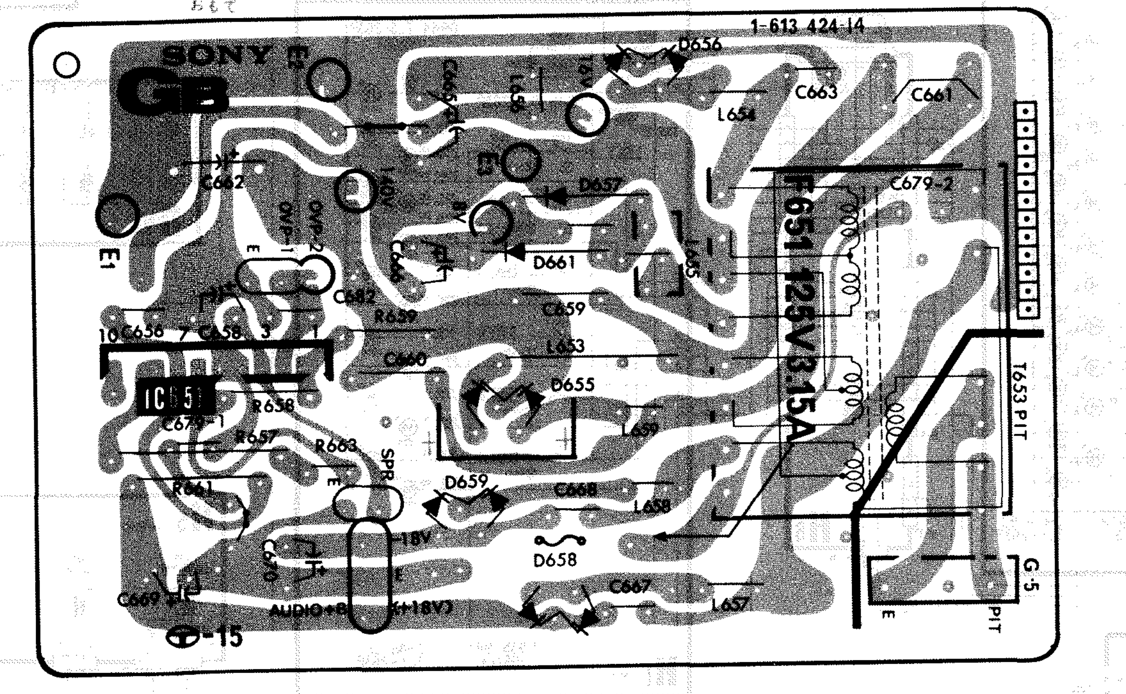


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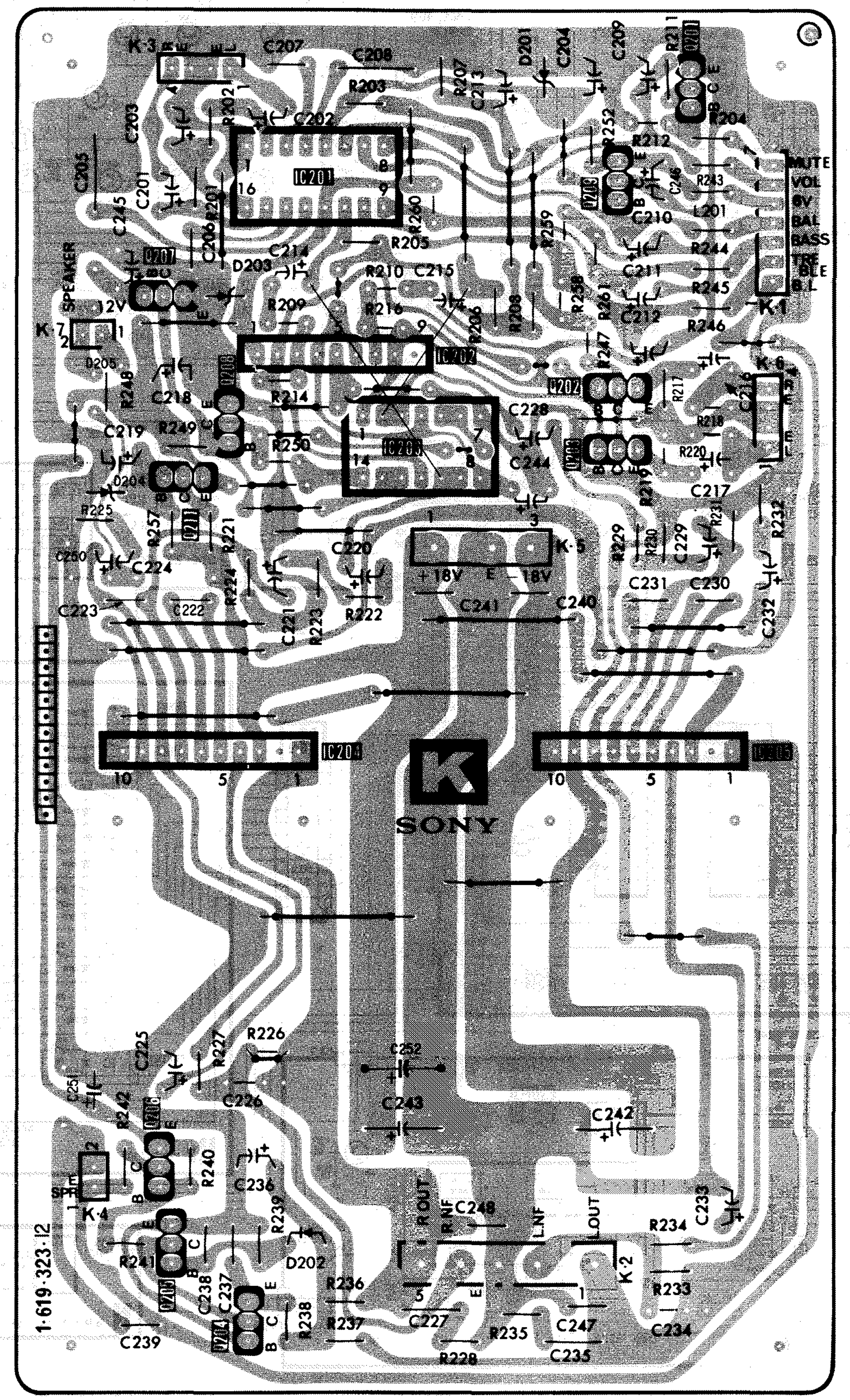
– GA Board –



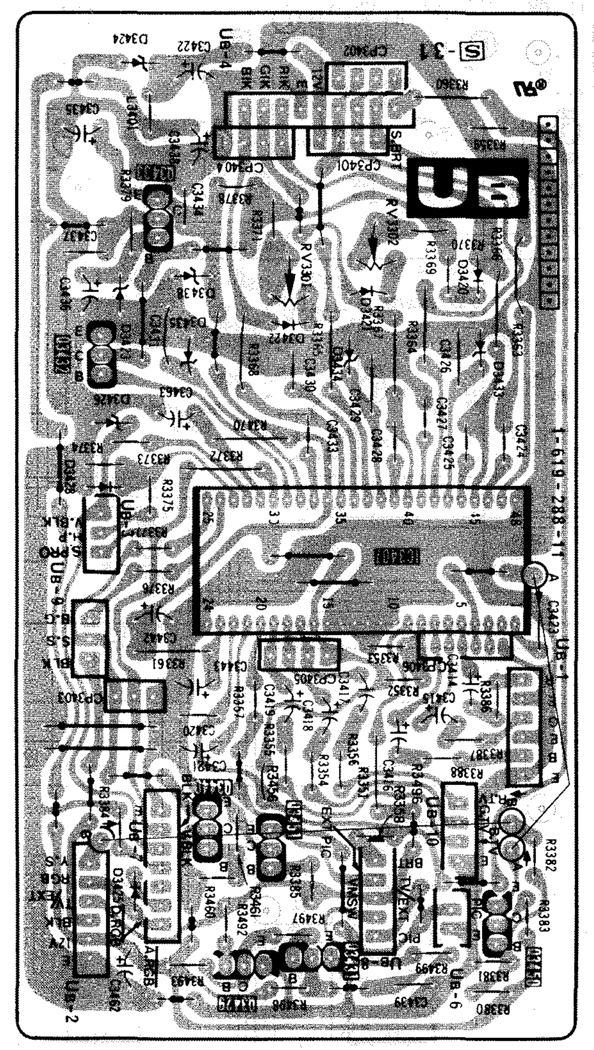
– GB Board –



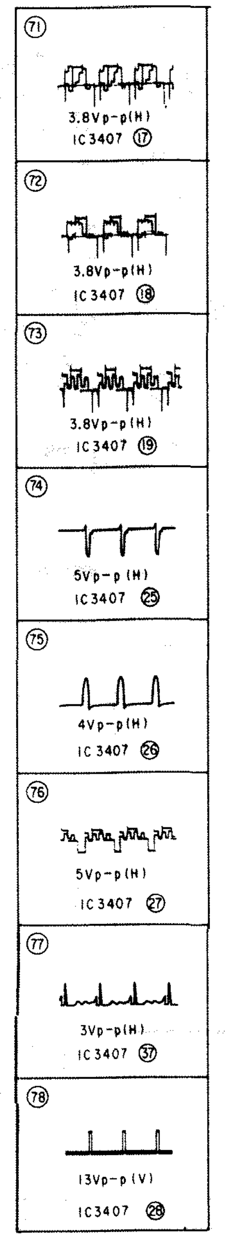
– K Board –



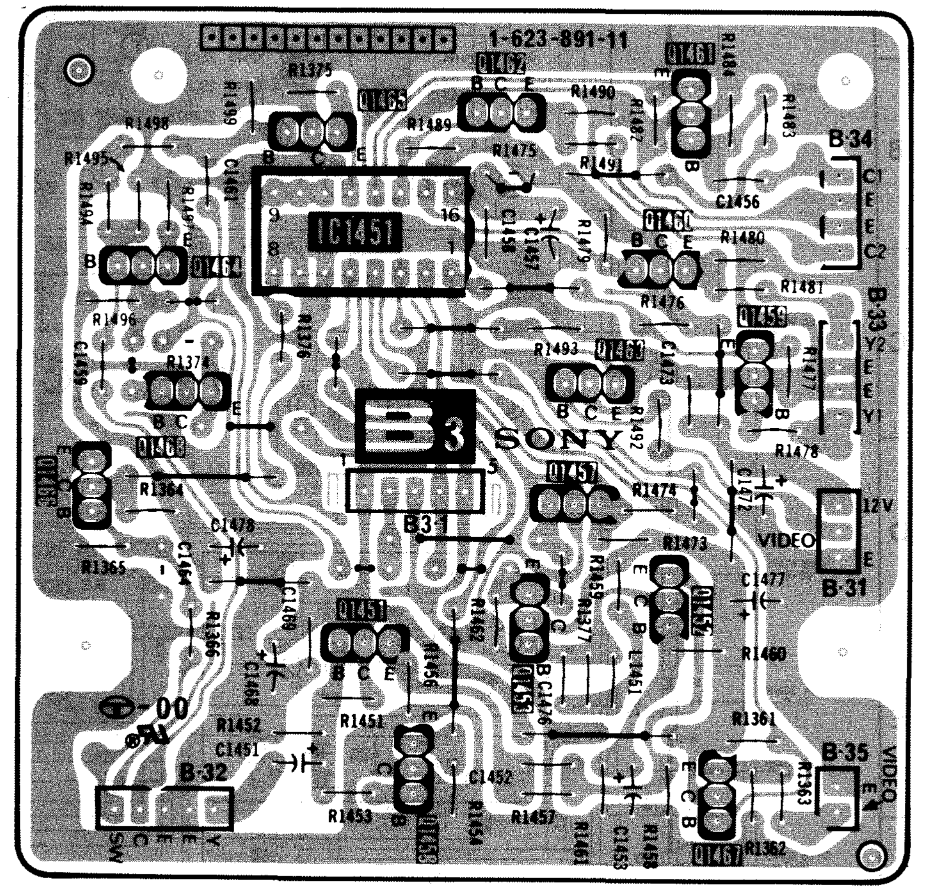
– UB Board –



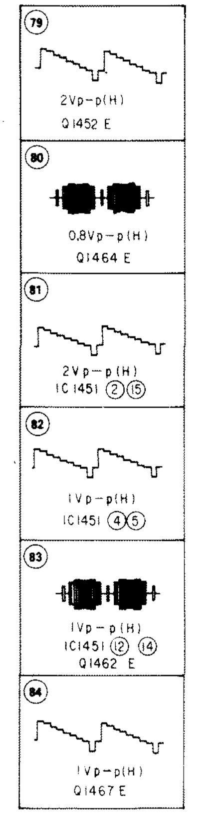
[UB BOARD]



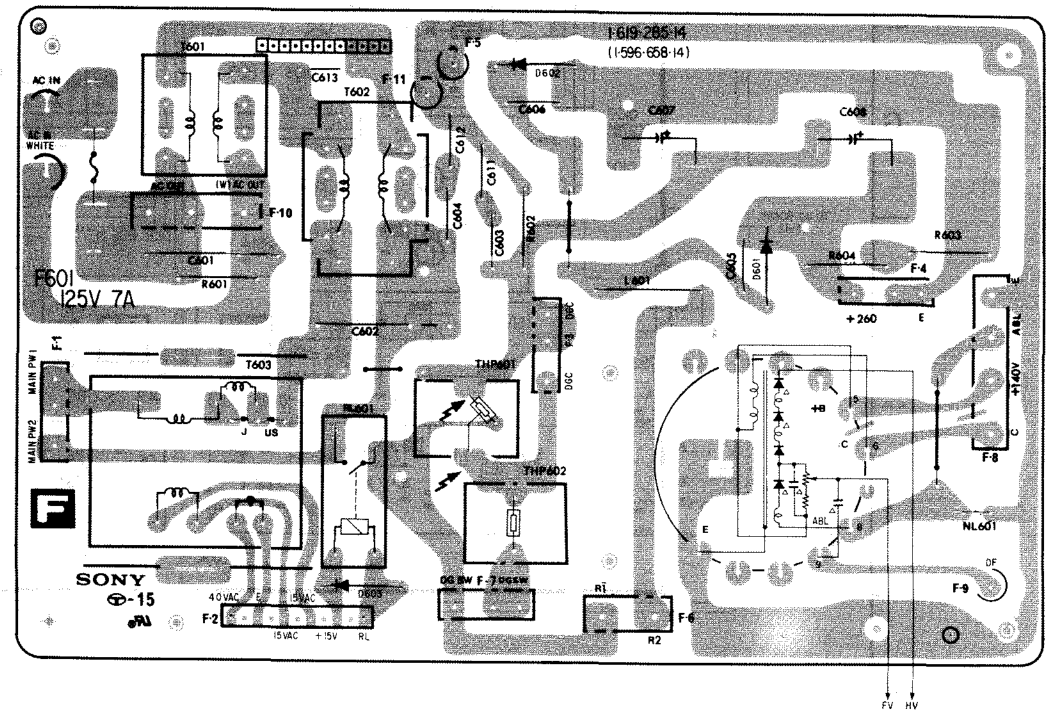
– B3 Board –




[B3 BOARD]



– F Board –



6-5. SCHEMATIC DIAGRAM (2)



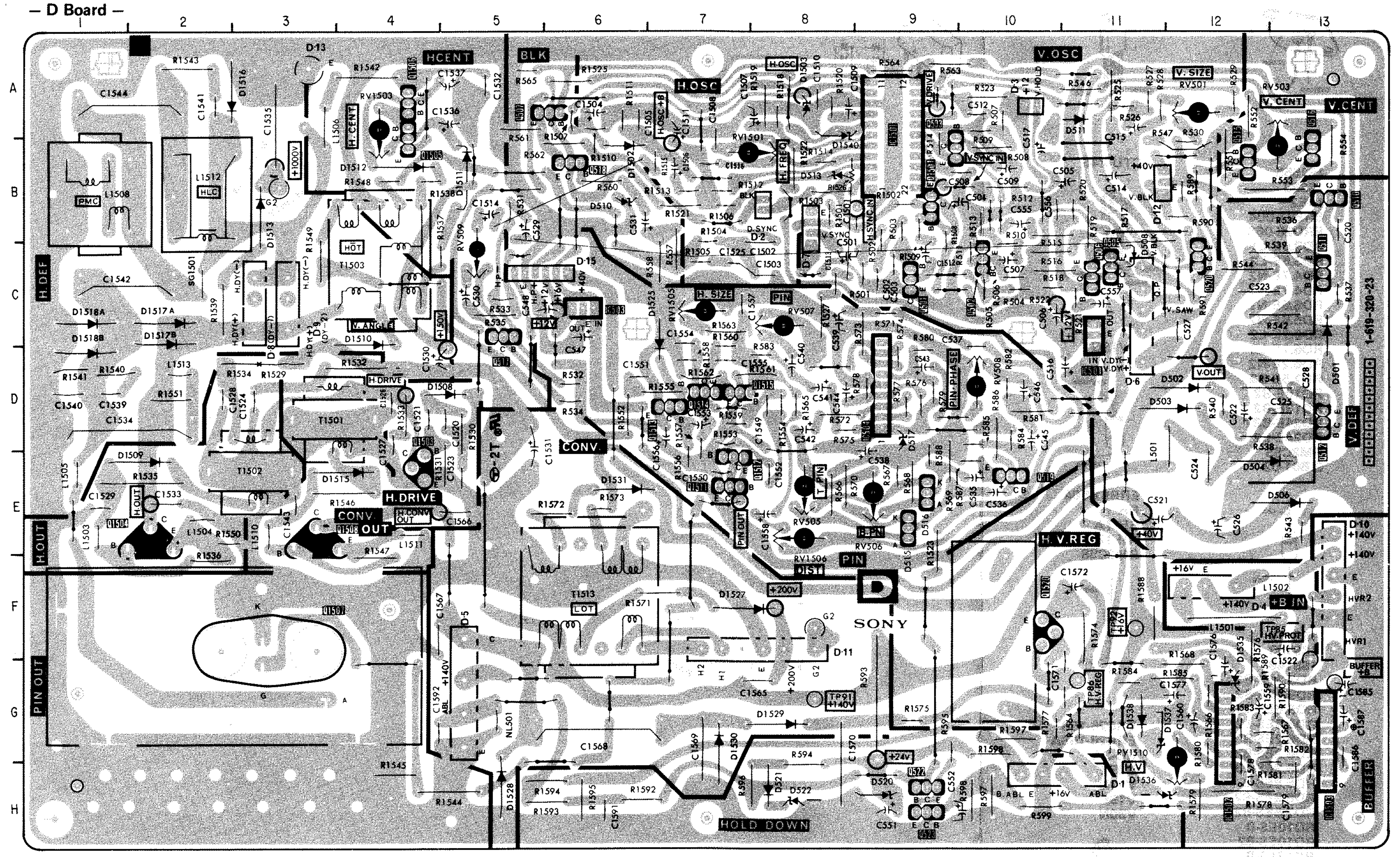
6-6. PRINTED WIRING BOARDS

—Conductor side—

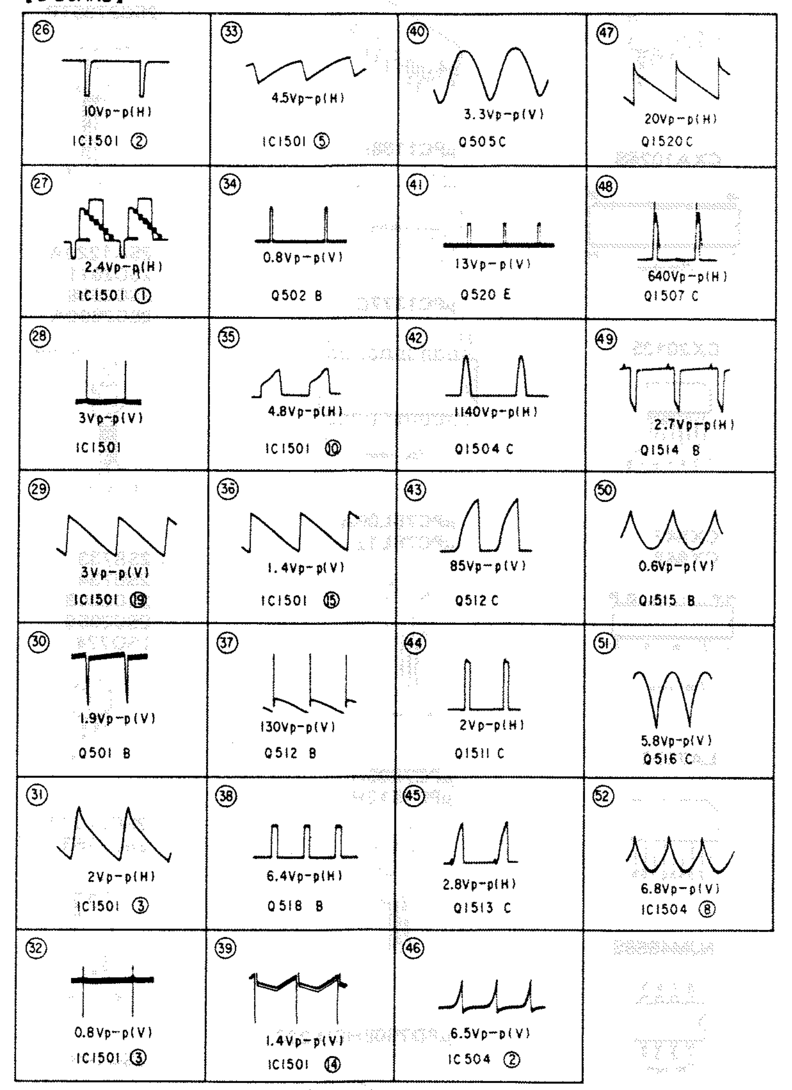
[SYNC SEP, H-V OSC H-V OUT, PIN COMP, BLK] **D** **D** **B2** [DL APACON]

[VIDEO D/A CONVERT, AUDIO CONVERT REMOCON DECORDER, LAST MEMORY, LED DRIVE, REG] **B1** **N**

– D Board –



[D BOARD]

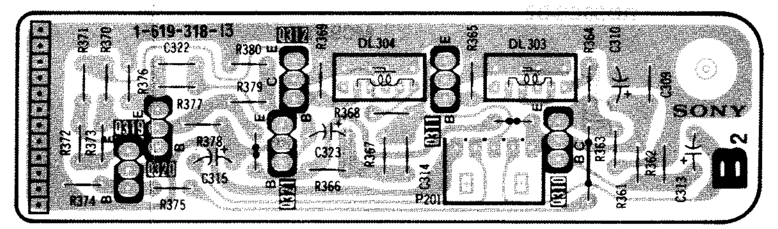


IC											
IC501	C–11	Q507	A–5	Q1505	B–4	D503	D–12	D1509	E–2	D1530	G–7
IC503	C–6	Q510	B–13	Q1506	A–4	D504	E–13	D1510	C–4	D1531	E–6
IC504	D–9	Q511	C–13	Q1507	F–13	D506	E–13	D1511	B–5	D1535	G–12
IC1501	A–9	Q512	D–13	Q1508	E–3	D508	C–11	D1512	B–4	D1536	H–12
IC1502	H–12	Q515	B–12	Q1511	E–7	D510	B–6	D1513	B–3	D1537	G–11
IC1503	H–13	Q516	B–13	Q1512	E–7	D513	B–8	D1515	E–4	D1538	G–11
		Q517	C–5	Q1513	D–7	D515	E–9	D1516	A–2	D1540	A–8
		Q518	B–6	Q1514	D–7	D516	E–9	D1517A	C–2		
		Q519	E–10	Q1515	D–7	D517	D–9	D1517B	C–2		
		Q520	C–12	Q1520	F–10	D520	H–9	D1518A	C–1		

TRANSISTOR				DIODE						VARIABLE RESISTOR	
Q501	C–9	Q522	H–9	D501	C–13	D521	H–8	D1518B	D–1	RV501	A–12
Q502	C–10	Q523	H–9	D502	D–12	D522	H–8	D1525	D–7	RV503	A–13
Q503	A–9	Q1501	B–9			D1502	B–6	D1527	F–8	RV505	E–8
Q505	C–11	Q1503	E–4			D1503	A–8	D1528	H–5	RV506	E–9
Q506	C–11	Q1504	E–2			D1508	D–5	D1529	G–8	RV507	C–8

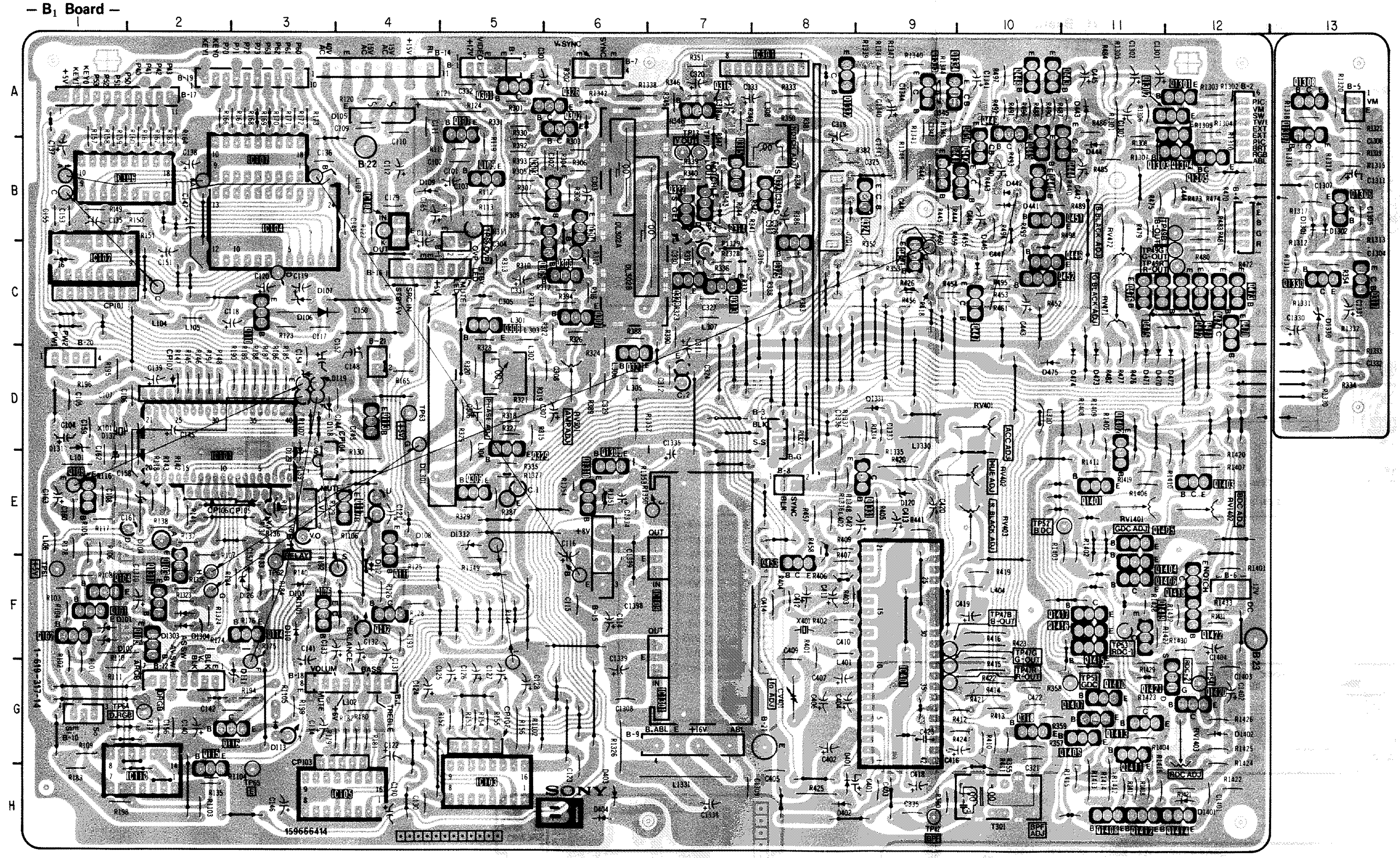
RV508	D–10
RV509	C–5
RV1501	B–8
RV1503	B–4
RV1505	C–7
RV1506	E–8
RV1510	H–12

– B_2 Board –



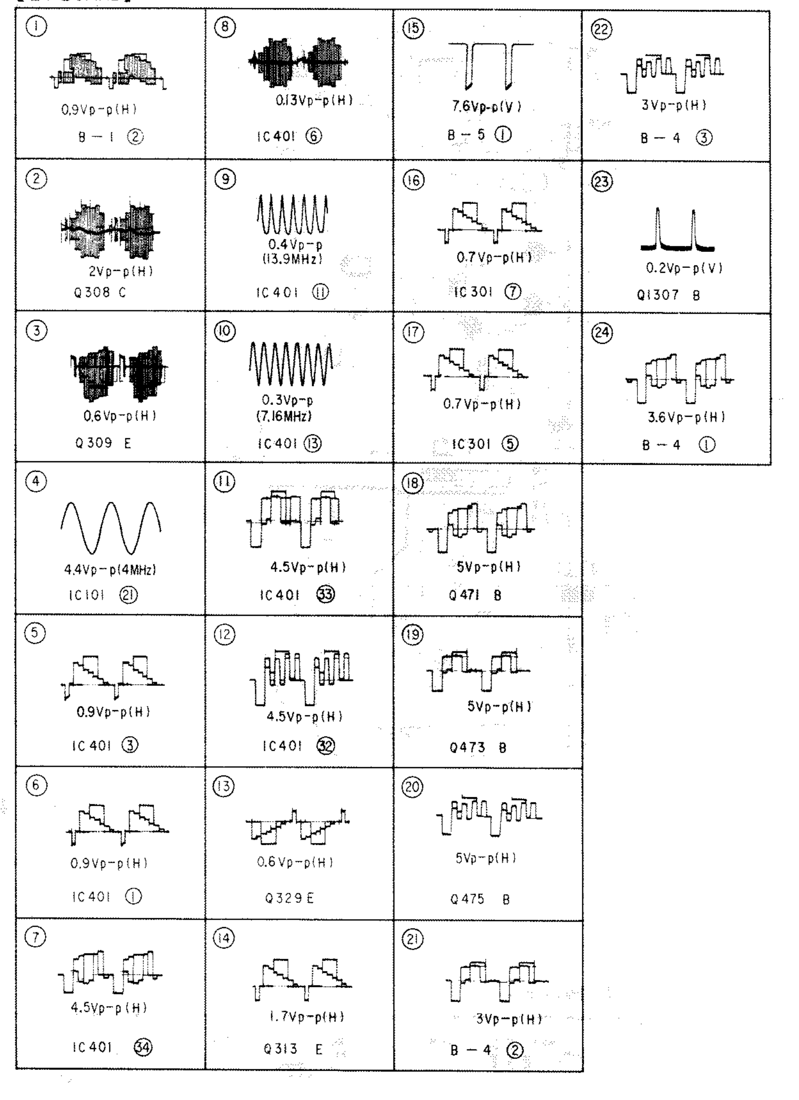
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– B_1 Board –

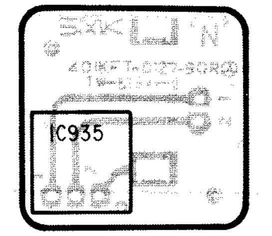


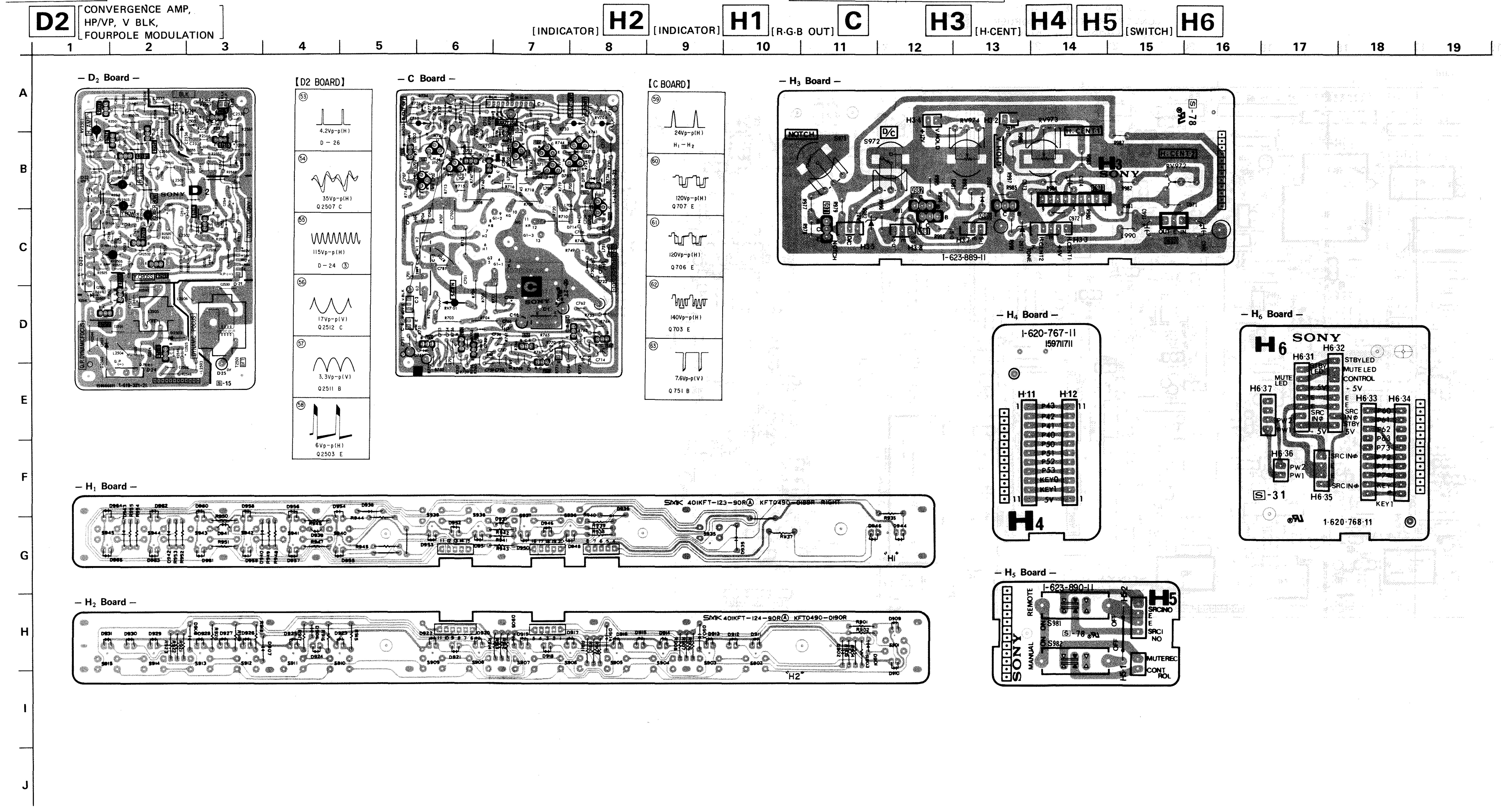
IC					
IC101	D–2	Q451	B–10	D401	H–8
IC102	C–1	Q452	C–10	D402	H–8
IC103	H–5	Q453	F–8	D403	H–6
IC104	B–3	Q454	C–9	D404	H–6
IC105	H–4	Q470	C–12	D441	B–10
IC106	B–1	Q471	C–12	D443	A–11
IC107	B–3	Q472	C–12	D444	B–11
IC108	B–4	Q473	C–12	D445	B–10
IC109	F–7	Q474	C–12	D470	D–11
IC110	H–2	Q475	C–11	D471	D–11
IC301	A–8	Q476	C–11	D472	D–12
IC401	F–9	Q1301	A–12	D473	D–11
IC1301	G–7	Q1302	A–12	D474	D–11
		Q1303	A–12	D475	D–10
		Q1304	B–12	D1301	B–13
TRANSISTOR		Q1305	B–12	D1302	B–13
		Q1306	B–13	D1303	F–2
		Q1307	A–13	D1304	F–2
		Q1308	A–13	D1330	C–13
Q101	F–1	Q1311	F–2	D1331	D–9
Q102	F–1				
Q103	F–2	Q1330	C–13	D1332	E–5
Q104	F–1	Q1331	E–9	D1401	H–12
Q105	F–2	Q1332	A–8	D1402	G–12
		Q1333	A–9		
Q106	F–3	Q1334	A–9		
Q107	A–5			**VARIABLE RESISTOR**	
Q108	E–1	Q1401	E–11		
Q109	B–5	Q1402	E–11		
Q110	C–3	Q1403	E–13	RV301	D–6
		Q1404	F–11	RV401	D–10
Q111	F–4	Q1405	E–15	RV402	E–10
Q112	F–4			RV403	E–10
Q113	D–4	Q1406	F–11	RV471	C–11
Q115	H–2	Q1407	G–11		
Q116	G–2	Q1408	H–11	RV472	C–11
		Q1409	G–11	RV1401	E–11
Q117	E–4	Q1410	G–11	RV1402	E–12
Q301	A–5			RV1403	G–12
Q302	A–6	Q1411	G–11		
Q303	B–6	Q1412	H–11		
Q304	B–6	Q1413	G–11		
		Q1414	H–12		
Q305	C–6	Q1415	F–11		
Q306	C–6				
Q307	C–6	Q1416	F–11		
Q308	C–5	Q1417	F–11		
Q309	E–5	Q1418	F–12		
		Q1419	F–11		
Q313	C–7	Q1420	G–12		
Q314	B–7				
Q315	B–7	Q1421	G–12		
Q316	A–7	Q1422	F–12		
Q317	C–13				
Q318	G–8	**DIODE**			
Q322	B–7				
Q323	B–8				
Q324	B–9	D101	F–1		
Q325	C–8	D102	F–1		
		D103	F–3		
Q326	A–6	D104	E–2		
Q327	D–6	D105	A–4		
Q328	C–7				
Q329	D–5	D106	C–3		
Q440	B–10	D107	C–3		
		D108	E–4		
Q441	B–9	D109	D–3		
Q442	B–10	D110	F–3		
Q443	A–10				
Q444	B–11	D111	G–3		
Q445	B–10	D118	D–3		
		D120	E–9		
Q446	C–10	D126	F–3		
Q447	C–10	D129	E–3		
Q448	A–10				
Q449	A–10	D131	D–1		
Q450	B–10	D132	D–1		

[B1 BOARD]

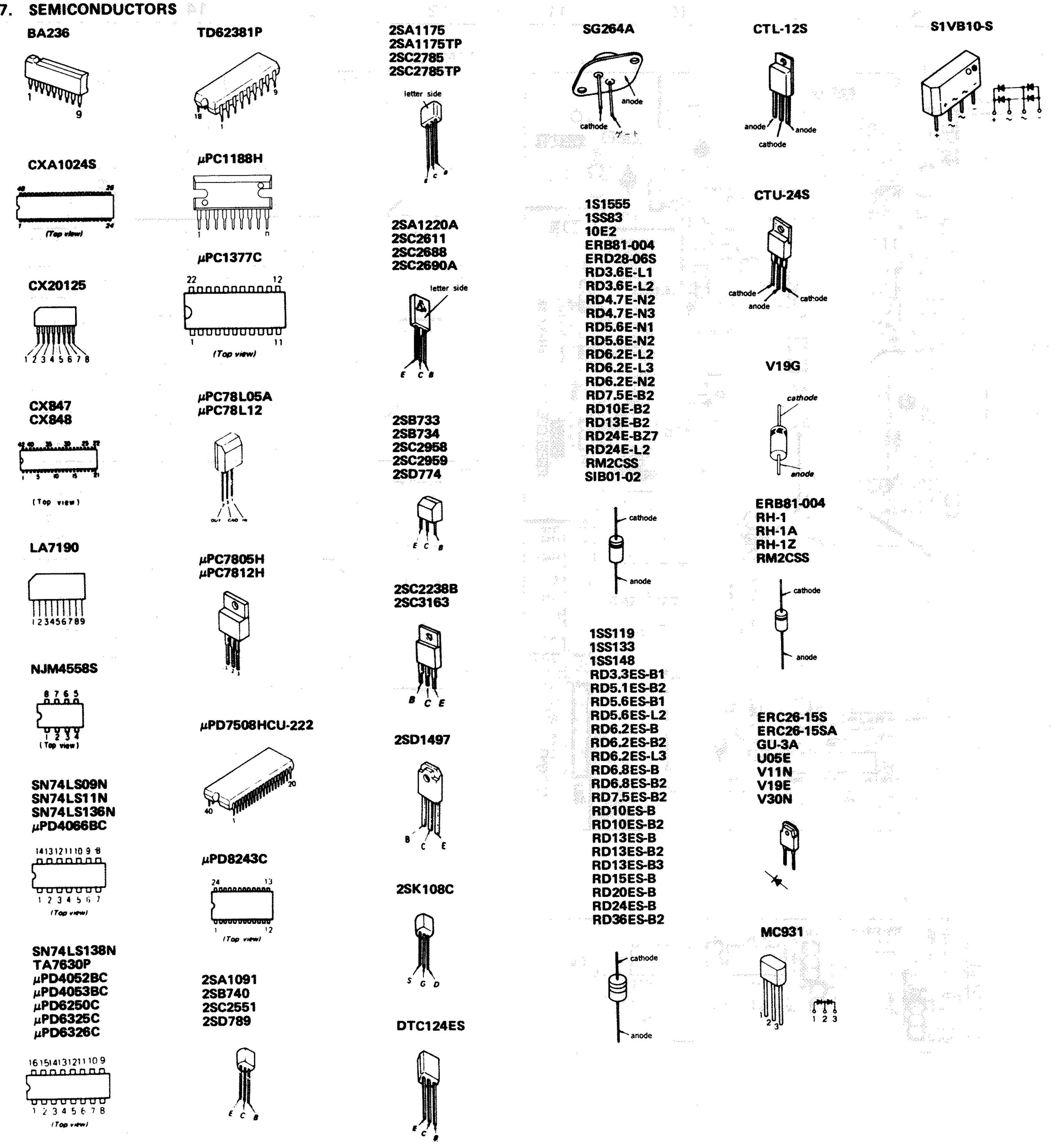


– N Board –





6-7. SEMICONDUCTORS



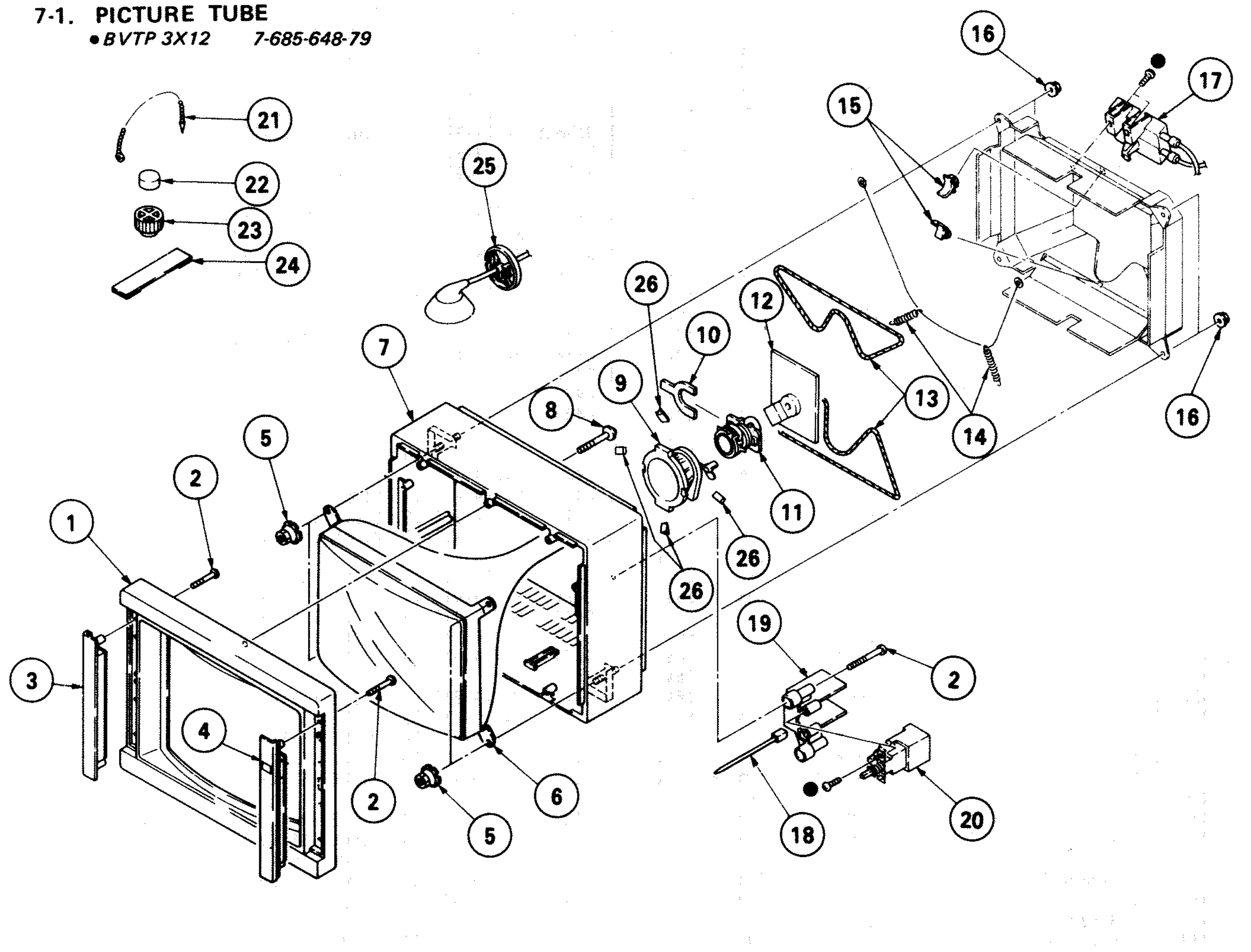
SECTION 7
EXPLODED VIEWS

NOTE:
- Items with no part number and no description are not stocked because they are seldom required for routine service.
- The construction parts of an assembled part are indicated with a collation number in the remark column.
- Items marked " ★ " are not stocked since they are seldom required for routine service. Some delay should be anticipated when ordering these items.

The components identified by shading and mark ⚠ are critical for safety. Replace only with part number specified.	Les composants identifiés par une trame et une marque ⚠ sont critiques pour la sécurité. Ne les remplacer que par une pièce portant le numéro spécifié.

7-1. PICTURE TUBE

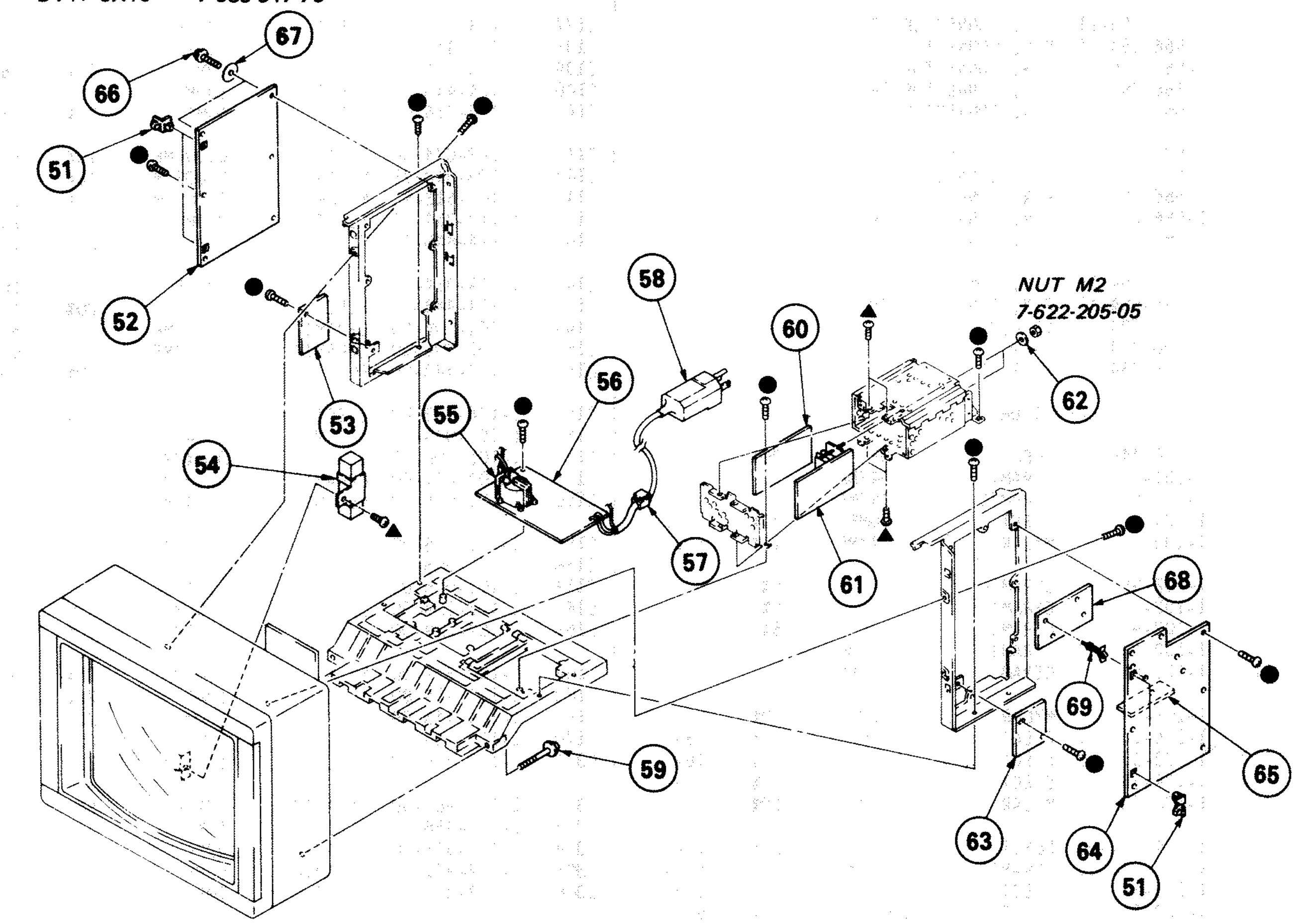
• *BVTP 3X12   7-685-648-79*



No.	Part No.	Description	Remark
1	X-4374-160-2	BEZEL ASSY (FOR DARK GRAY)	2
	X-4374-160-3	BEZEL ASSY (FOR LIGHT GRAY)	2
2	3-703-083-00	+ BV 3X25	
3	1-464-747-11	KEY BOARD UNIT (A)	
4	1-464-748-11	KEY BOARD UNIT (B)	
5	4-376-980-01	NUT, SPECIAL, CRT	
6	⚠8-736-652-05	PICTURE TUBE (A64JKJ10X)	
7	X-4374-161-2	CABINET ASSY (FOR DARK GRAY)	8
	X-4374-161-3	CABINET ASSY (FOR LIGHT GRAY)	8
8	4-319-520-11	SCREW, SPECIAL (+PW4X30)	
9	⚠1-451-255-22	DEFLECTION YOKE	
10	1-452-146-21	MAGNET, BMC	
11	⚠1-452-351-22	NECK ASSY, CRT (NA302)	
12	*A-1330-784-A	C BOARD, COMPLETE	
13	⚠1-426-296-11	COIL, DEMAGNETIZATION	
14	4-303-774-XX	SPRING	
15	*4-371-629-01	STOPPER, WIRE	
16	4-306-034-00	FLANGE NUT, (B) 5MM	
17	⚠1-230-712-22	RESISTOR ASSY, HIGH-VOLTAGE	
18	*4-371-182-01	SHAFT	
19	*4-371-183-01	COVER, MAIN SWITCH	
20	⚠1-554-966-12	SWITCH, PUSH (AC POWER)(1 KEY)	
21	4-308-870-00	CLIP, LEAD WIRE	
22	1-452-032-00	MAGNET, DISK; 10MM ϕ	
23	1-452-094-00	MAGNET, ROTATABLE DISK; 15MM ϕ	
24	X-4306-312-0	PERMALLOY ASSY, CONVERGENCE	
25	*4-369-234-01	HOLDER, HV CABLE	
26	3-703-003-00	SPACER, DY	

7-2. CHASSIS

• *BVTP 3x12   7-685-648-79*
▲ *BVTP 3X10   7-685-647-79*



No.	Part No.	Description	Remark
51	*4-313-732-00	CLIP, HINGE, CIRCUIT BOARD	
52	*A-1345-688-A	D BOARD, COMPLETE	
53	*1-620-767-11	H4 BOARD	
54	⚠1-205-904-11	RES, CEMENT WIREWOUND 1 5% 30W	
55	⚠1-439-339-14	TRANSFORMER ASSY, FLYBACK	
56	*1-619-285-11	F BOARD	
57	⚠*4-371-185-02	BUSHING, AC CORD	
58	⚠1-557-970-11	CORD, POWER	
59	4-319-520-11	SCREW, SPECIAL (+PW4X30)	
60	*1-613-424-11	GB BOARD	
61	*1-613-423-11	GA BOARD	
62	3-845-490-00	WASHER	
63	*1-620-768-11	H6 BOARD	
64	*A-1135-476-A	B1(B) BOARD, COMPLETE	65
65	*1-619-318-11	B2 BOARD	
66	4-302-428-00	HEAD, WASHER, TAPPING SCREW	
67	4-383-101-01	WASHER (DIA.14)	
68	*A-1373-058-A	UB BOARD, COMPLETE	
69	*3-703-353-06	SUPPORT, PC BOARD	

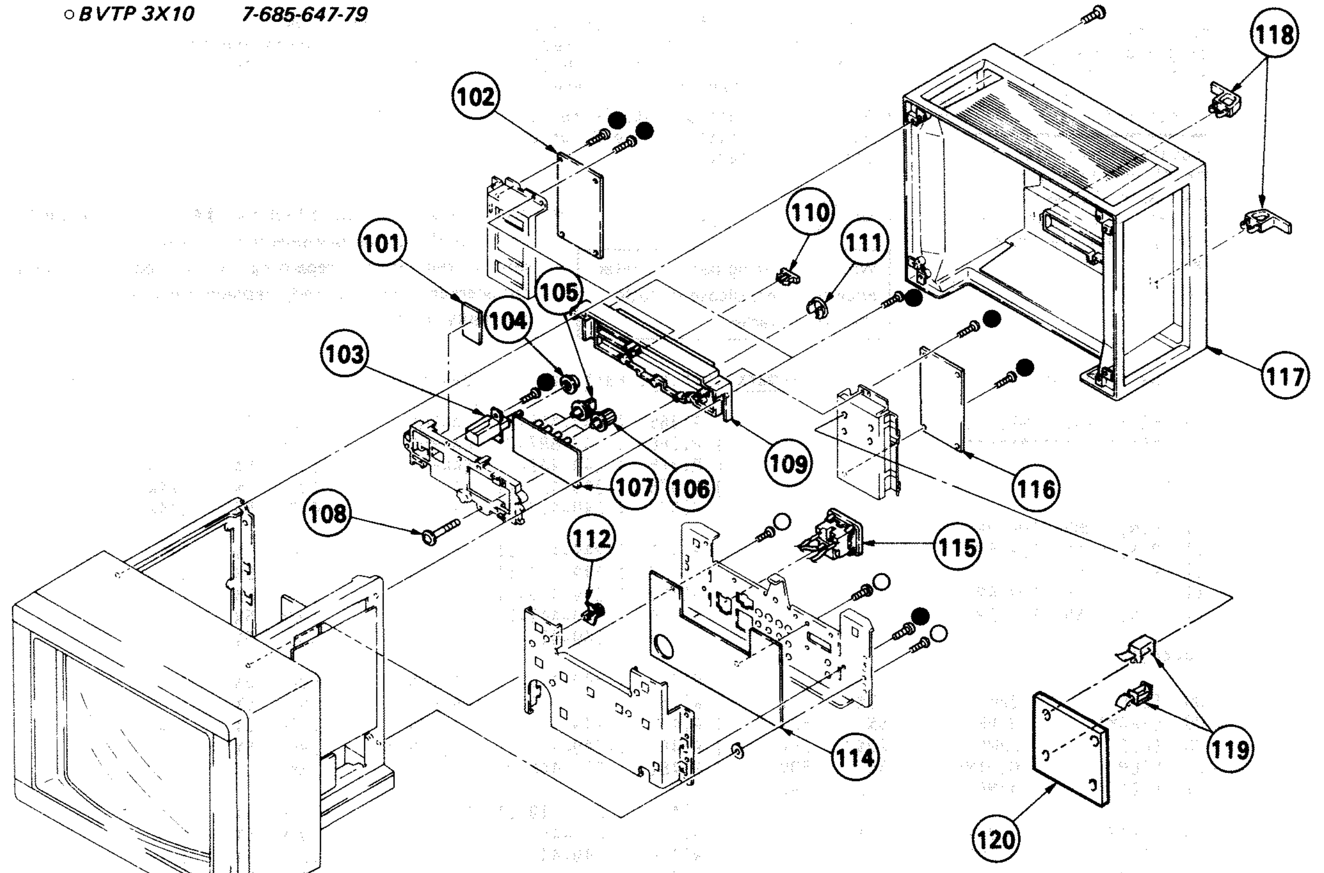
The components identified by shading and mark ⚠ are critical for safety. Replace only with part number specified.

Les composants identifiés par une trame et une marque ⚠ sont critiques pour la sécurité. Ne les remplacer que par une pièce portant le numéro spécifié.

7-3. BACK COVER

• *BVTP 3x12   7-685-648-79*
○ *BVTP 3X10   7-685-647-79*

BVTP4X14
7-685-662-79



No.	Part No.	Description	Remark
101	*1-623-890-11	H5 BOARD	
102	*A-1340-936-A	D2 BOARD, COMPLETE	
103	⚠1-570-757-11	SWITCH, PUSH (DEGAUSS SWITCH)	
104	4-381-168-01	BUTTON, DEGAUSSING (FOR DARK GRAY)	
	4-381-168-11	BUTTON, DEGAUSSING (FOR LIGHT GRAY)	
105	4-381-167-01	KNOB (B), CONTROL (FOR DARK GRAY)	
	4-381-167-11	KNOB (B), CONTROL (FOR LIGHT GRAY)	
106	4-381-166-01	KNOB (A), CONTROL (FOR DARK GRAY)	
	4-381-166-11	KNOB (A), CONTROL (FOR LIGHT GRAY)	
107	*A-1375-069-A	H3 BOARD, COMPLETE	
108	4-319-520-11	SCREW, SPECIAL (+PW4X30)	
109	4-382-005-11	PANEL, CONTROL (FOR DARK GRAY)	
	4-382-005-21	PANEL, CONTROL (FOR LIGHT GRAY)	
110	4-371-176-01	CAP, SQUARE (FOR DARK GRAY)	
	4-371-176-11	CAP, SQUARE (FOR LIGHT GRAY)	
111	4-371-181-01	CAP (FOR DARK GRAY)	
	4-371-181-11	CAP (FOR LIGHT GRAY)	
112	*3-670-570-11	SPACER, SUPPORT	
114	*A-1373-088-A	UA BOARD, COMPLETE	
115	⚠1-526-920-12	AC OUTLET (WITH EARTH)	
116	*A-1380-189-A	K BOARD, COMPLETE	
117	X-4374-162-2	COVER ASSY, REAR (FOR DARK GRAY)	118
	X-4374-162-4	COVER ASSY, REAR (FOR LIGHT GRAY)	118
118	4-316-003-21	HOLDER, CORD (FOR DARK GRAY)	
	4-316-003-31	HOLDER, CORD (FOR LIGHT GRAY)	
119	*3-703-141-00	HOLDER, PCB	
120	*A-1130-631-A	B3 BOARD, COMPLETE	

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Wharton NJ 07885
www.servicemanuals.net

The components identified by shading and mark ⚠ are critical for safety. Replace only with part number specified.

Les composants identifiés par une trame et une marque ⚠ sont critiques pour la sécurité. Ne les remplacer que par une pièce portant le numéro spécifié.

SECTION 8
ELECTRICAL PARTS LIST

NOTE:

The components identified by shading and mark ⚠ are critical for safety. Replace only with part number specified.

Les composants identifiés par une trame et une marque ⚠ sont critiques pour la sécurité. Ne les remplacer que par une pièce portant le numéro spécifié.

- Items marked "*" are not stocked since they are seldom required for routine service. Some delay should be anticipated when ordering these items.
- All variable and adjustable resistors have characteristic curve B, unless otherwise noted.

CAPACITORS
- MF : μF, PF : μμF

When indicating parts by reference number, please include the board name.

RESISTORS
- All resistors are in ohms
- F : nonflammable

COILS
- MMH : mH, UH : μH

- The components identified by ⧓ in this manual have been carefully factory-selected for each set in order to satisfy regulations regarding X-ray radiation. Should replacement be required, replace only with the value originally used.

Ref.No.	Part No.	Description			Remark
	*A-1130-631-A	B3 BOARD, COMPLETE ******************			

CONNECTOR

Ref.No.	Part No.	Description			Remark
B31	*1-566-055-11	PIN, CONNECTOR 3P			
B32	*1-566-057-11	PIN, CONNECTOR 5P			
B33	*1-566-056-11	PIN, CONNECTOR 4P			
B34	*1-566-056-11	PIN, CONNECTOR 4P			
B35	*1-566-054-11	PIN, CONNECTOR 2P			

CAPACITOR

Ref.No.	Part No.	Description			Remark
C1451	1-123-330-00	ELECT	22MF	20%	16V
C1452	1-102-963-00	CERAMIC	33PF	5%	50V
C1453	1-123-330-00	ELECT	22MF	20%	16V
C1456	1-136-153-00	FILM	0.01MF	5%	50V
C1457	1-124-477-11	ELECT	47MF	20%	16V
C1458	1-102-129-00	CERAMIC	0.01MF	10%	50V
C1459	1-136-165-00	FILM	0.1MF	5%	50V
C1461	1-136-153-00	FILM	0.01MF	5%	50V
C1468	1-124-477-11	ELECT	47MF	20%	16V
C1469	1-102-129-00	CERAMIC	0.01MF	10%	50V
C1472	1-124-477-11	ELECT	47MF	20%	16V
C1473	1-102-129-00	CERAMIC	0.01MF	10%	50V
C1476	1-102-973-00	CERAMIC	100PF	5%	50V
C1477	1-124-477-11	ELECT	47MF	20%	16V

IC

Ref.No.	Part No.	Description			Remark
IC1451	8-759-140-53	IC UPD4053BC			

COIL

Ref.No.	Part No.	Description			Remark
L1451	1-408-409-00	INDUCTOR	10UH		

TRANSISTOR

Ref.No.	Part No.	Description			Remark
Q1451	8-729-178-54	TRANSISTOR 2SC2785			
Q1452	8-729-178-54	TRANSISTOR 2SC2785			
Q1453	8-729-178-54	TRANSISTOR 2SC2785			
Q1457	8-729-117-54	TRANSISTOR 2SA1175			
Q1458	8-729-117-54	TRANSISTOR 2SA1175			
Q1459	8-729-117-54	TRANSISTOR 2SA1175			
Q1460	8-729-178-54	TRANSISTOR 2SC2785			
Q1461	8-729-117-54	TRANSISTOR 2SA1175			
Q1462	8-729-178-54	TRANSISTOR 2SC2785			
Q1463	8-729-117-54	TRANSISTOR 2SA1175			
Q1464	8-729-178-54	TRANSISTOR 2SC2785			
Q1465	8-729-117-54	TRANSISTOR 2SA1175			
Q1466	8-729-178-54	TRANSISTOR 2SC2785			
Q1467	8-729-178-54	TRANSISTOR 2SC2785			

RESISTOR

Ref.No.	Part No.	Description			Remark
R1361	1-249-425-11	CARBON	4.7K	5%	1/4W
R1362	1-249-419-11	CARBON	1.5K	5%	1/4W
R1363	1-249-401-11	CARBON	47	5%	1/4W
R1364	1-249-433-11	CARBON	22K	5%	1/4W
R1365	1-249-441-11	CARBON	100K	5%	1/4W
R1366	1-247-887-00	CARBON	220K	5%	1/4W
R1375	1-249-441-11	CARBON	100K	5%	1/4W
R1376	1-249-429-11	CARBON	10K	5%	1/4W
R1377	1-249-413-11	CARBON	470	5%	1/4W
R1451	1-249-434-11	CARBON	27K	5%	1/4W
R1452	1-249-429-11	CARBON	10K	5%	1/4W
R1453	1-249-405-11	CARBON	100	5%	1/4W
R1454	1-249-441-11	CARBON	100K	5%	1/4W
R1456	1-249-415-11	CARBON	680	5%	1/4W
R1457	1-249-415-11	CARBON	680	5%	1/4W
R1458	1-249-414-11	CARBON	560	5%	1/4W
R1459	1-249-419-11	CARBON	1.5K	5%	1/4W
R1460	1-249-436-11	CARBON	39K	5%	1/4W
R1461	1-215-448-00	CARBON	13K	5%	1/4W
R1462	1-249-419-11	CARBON	1.5K	5%	1/4W
R1473	1-215-483-00	CARBON	390K	5%	1/4W
R1474	1-249-441-11	CARBON	100K	5%	1/4W
R1476	1-215-483-00	CARBON	390K	5%	1/4W
R1477	1-249-441-11	CARBON	100K	5%	1/4W
R1478	1-249-405-11	CARBON	100	5%	1/4W
R1479	1-249-422-11	CARBON	2.7K	5%	1/4W
R1480	1-249-418-11	CARBON	1.2K	5%	1/4W
R1481	1-249-401-11	CARBON	47	5%	1/4W
R1482	1-249-441-11	CARBON	100K	5%	1/4W
R1483	1-249-434-11	CARBON	27K	5%	1/4W
R1484	1-249-429-11	CARBON	10K	5%	1/4W
R1489	1-249-425-11	CARBON	4.7K	5%	1/4W
R1490	1-249-419-11	CARBON	1.5K	5%	1/4W
R1491	1-249-401-11	CARBON	47	5%	1/4W
R1492	1-249-405-11	CARBON	100	5%	1/4W
R1493	1-249-441-11	CARBON	100K	5%	1/4W
R1494	1-249-434-11	CARBON	27K	5%	1/4W
R1495	1-249-429-11	CARBON	10K	5%	1/4W
R1496	1-249-421-11	CARBON	2.2K	5%	1/4W
R1497	1-249-418-11	CARBON	1.2K	5%	1/4W
R1498	1-249-434-11	CARBON	27K	5%	1/4W
R1499	1-249-429-11	CARBON	10K	5%	1/4W

****

Ref.No.	Part No.	Description			Remark
	*A-1135-476-A	B1 (B) BOARD, COMPLETE ********************* (INCLUDING B2 BOARD)			

CONNECTOR

Ref.No.	Part No.	Description			Remark
B1	*1-566-057-11	PIN, CONNECTOR 5P			
B2	*1-566-057-11	PIN, CONNECTOR 5P			
B3	*1-566-055-11	PIN, CONNECTOR 3P			
B4	*1-566-056-11	PIN, CONNECTOR 4P			
B5	*1-566-054-11	PIN, CONNECTOR 2P			
B6	*1-566-055-11	PIN, CONNECTOR 3P			
B7	*1-566-056-11	PIN, CONNECTOR 4P			
B8	*1-566-054-11	PIN, CONNECTOR 2P			
B9	*1-508-766-00	4P PLUG (M)			

Ref.No.	Part No.	Description			Remark
B10	*1-566-055-11	PIN, CONNECTOR 3P			
B11	*1-566-054-11	PIN, CONNECTOR 2P			
B12	*1-566-059-11	PIN, CONNECTOR 7P			
B13	*1-566-054-11	PIN, CONNECTOR 2P			
B14	*1-566-063-11	PIN, CONNECTOR 11P			
B15	*1-508-765-00	3P PLUG (M)			
B16	*1-566-059-11	PIN, CONNECTOR 7P			
B17	*1-566-063-11	PIN, CONNECTOR 11P			
B18	*1-566-059-11	PIN, CONNECTOR 7P			
B19	*1-566-062-11	PIN, CONNECTOR 10P			
B20	*1-566-054-11	PIN, CONNECTOR 2P			
B21	*1-566-054-11	PIN, CONNECTOR 2P			
B22	*1-508-784-00	1P PLUG			
B23	*1-508-784-00	1P PLUG			
B24	*1-508-784-00	1P PLUG			

CAPACITOR

Ref.No.	Part No.	Description			Remark
C101	1-124-446-11	ELECT	47MF	20%	10V
C102	1-101-006-00	CERAMIC	0.047MF		50V
C103	1-101-006-00	CERAMIC	0.047MF		50V
C104	1-124-471-00	ELECT	1000MF	20%	6.3V
C105	1-108-845-00	MYLAR	0.047MF	10%	50V
C106	1-102-963-00	CERAMIC	33PF	5%	50V
C107	1-102-963-00	CERAMIC	33PF	5%	50V
C108	1-102-978-00	CERAMIC	220PF	5%	50V
C109	1-102-038-00	CERAMIC	0.001MF		500V
C110	1-102-038-00	CERAMIC	0.001MF		500V
C111	1-108-837-00	MYLAR	0.01MF	10%	50V
C112	1-126-105-11	ELECT	1000MF	20%	35V
C113	1-123-356-00	ELECT	10MF	20%	16V
C114	1-124-360-00	ELECT	1000MF	20%	16V
C115	1-108-837-00	MYLAR	0.01MF	10%	50V
C116	1-124-444-00	ELECT	220MF	20%	10V
C117	1-102-038-00	CERAMIC	0.001MF		500V
C118	1-123-360-00	ELECT	100MF	20%	50V
C119	1-123-356-00	ELECT	10MF	20%	50V
C120	1-123-356-00	ELECT	10MF	20%	50V
C121	1-123-318-00	ELECT	33MF	20%	16V
C122	1-123-356-00	ELECT	10MF	20%	16V
C123	1-101-006-00	CERAMIC	0.047MF		50V
C124	1-123-380-00	ELECT	1MF	20%	50V
C125	1-123-380-00	ELECT	1MF	20%	50V
C126	1-123-380-00	ELECT	1MF	20%	50V
C127	1-123-380-00	ELECT	1MF	20%	50V
C128	1-123-380-00	ELECT	1MF	20%	50V
C129	1-101-006-00	CERAMIC	0.047MF		50V
C130	1-101-006-00	CERAMIC	0.047MF		50V
C131	1-123-380-00	ELECT	1MF	20%	50V
C132	1-123-380-00	ELECT	1MF	20%	50V
C133	1-123-380-00	ELECT	1MF	20%	50V
C134	1-123-380-00	ELECT	1MF	20%	50V
C135	1-123-379-00	ELECT	0.47MF	20%	50V
C136	1-101-006-00	CERAMIC	0.047MF		50V
C137	1-124-443-00	ELECT	100MF	20%	10V
C138	1-124-443-00	ELECT	100MF	20%	10V
C139	1-123-356-00	ELECT	10MF	20%	16V
C140	1-124-443-00	ELECT	100MF	20%	10V
C141	1-123-356-00	ELECT	10MF	20%	16V
C142	1-102-074-00	CERAMIC	0.001MF	10%	50V
C143	1-108-618-91	MYLAR	0.0022MF	10%	100V
C144	1-108-618-91	MYLAR	0.0022MF	10%	100V
C145	1-119-354-00	ELECT	330MF		10V
C146	1-124-446-11	ELECT	47MF	20%	10V
C147	1-119-354-00	ELECT	330MF		10V
C148	1-124-443-00	ELECT	100MF	20%	10V
C149	1-101-006-00	CERAMIC	0.047MF		50V
C150	1-101-006-00	CERAMIC	0.047MF		50V
C151	1-124-443-00	ELECT	100MF	20%	10V
C152	1-124-443-00	ELECT	100MF	20%	10V
C153	1-101-006-00	CERAMIC	0.047MF		50V
C154	1-101-006-00	CERAMIC	0.047MF		50V
C155	1-102-074-00	CERAMIC	0.001MF	10%	50V
C156	1-101-006-00	CERAMIC	0.047MF		50V
C157	1-101-006-00	CERAMIC	0.047MF		50V
C158	1-101-006-00	CERAMIC	0.047MF		50V
C159	1-101-006-00	CERAMIC	0.047MF		50V
C160	1-102-129-00	CERAMIC	0.01MF	10%	50V
C161	1-102-129-00	CERAMIC	0.01MF	10%	50V
C162	1-108-837-00	MYLAR	0.01MF	10%	50V
C163	1-123-356-00	ELECT	10MF	20%	16V
C165	1-124-443-00	ELECT	100MF	20%	10V
C170	1-123-356-00	ELECT	10MF	20%	16V
C301	1-123-356-00	ELECT	10MF	20%	16V
C302	1-102-961-00	CERAMIC	27PF	5%	50V
C303	1-123-356-00	ELECT	10MF	20%	16V
C304	1-102-971-00	CERAMIC	82PF	5%	50V
C305	1-102-971-00	CERAMIC	82PF	5%	50V
C306	1-123-380-00	ELECT	1MF	20%	50V
C307	1-123-380-00	ELECT	1MF	20%	50V
C308	1-102-978-00	CERAMIC	220PF	5%	50V
C311	1-123-330-00	ELECT	22MF	20%	16V
C312	1-102-971-00	CERAMIC	82PF	5%	50V
C316	1-102-858-00	CERAMIC	10PF	0.5PF	50V
C317	1-102-858-00	CERAMIC	10PF	0.5PF	50V
C318	1-123-380-00	ELECT	1MF	20%	50V
C320	1-123-356-00	ELECT	10MF	20%	16V
C321	1-102-888-00	CERAMIC	150PF	5%	50V
C324	1-101-006-00	CERAMIC	0.047MF		50V
C325	1-102-973-00	CERAMIC	100PF	5%	50V
C326	1-123-380-00	ELECT	1MF	20%	50V
C327	1-102-820-00	CERAMIC	330PF	5%	50V
C329	1-102-971-00	CERAMIC	82PF	5%	50V
C330	1-102-971-00	CERAMIC	82PF	5%	50V
C331	1-123-356-00	ELECT	10MF	20%	16V
C332	1-101-006-00	CERAMIC	0.047MF		50V
C333	1-123-356-00	ELECT	10MF	20%	16V

Ref.No.	Part No.	Description			Remark
C335	1-102-887-00	CERAMIC	47PF	5%	50V
C401	1-123-330-00	ELECT	22MF	20%	16V
C402	1-124-360-00	ELECT	1000MF	20%	16V
C403	1-102-125-00	CERAMIC	0.0047MF	10%	50V
C404	1-123-447-00	ELECT	0.22MF	20%	50V
C405	1-102-129-00	CERAMIC	0.01MF	10%	50V
C406	1-123-447-00	ELECT	0.22MF	20%	50V
C407	1-123-356-00	ELECT	10MF	20%	16V
C409	1-102-945-00	CERAMIC	8PF	0.5PF	50V
C410	1-102-074-00	CERAMIC	0.001MF	10%	50V
C411	1-123-379-00	ELECT	0.47MF	20%	50V
C412	1-123-379-00	ELECT	0.47MF	20%	50V
C413	1-123-330-00	ELECT	22MF	20%	16V
C414	1-124-284-00	ELECT	10MF	20%	16V
C416	1-123-381-00	ELECT	2.2MF	20%	50V
C418	1-123-318-00	ELECT	33MF	20%	16V
C419	1-124-463-00	ELECT	0.1MF	20%	50V
C420	1-124-963-11	ELECT	33MF	20%	16V
C421	1-124-477-11	ELECT	47MF	20%	16V
C423	1-102-942-00	CERAMIC	5PF	0.5PF	50V
C440	1-123-356-00	ELECT	10MF	20%	16V
C441	1-124-270-11	ELECT	0.47MF	20%	50V
C442	1-124-477-11	ELECT	47MF	20%	16V
C443	1-123-381-00	ELECT	2.2MF	20%	50V
C444	1-102-129-00	CERAMIC	0.01MF	10%	50V
C445	1-124-478-11	ELECT	100MF	20%	25V
C446	1-123-379-00	ELECT	0.47MF	20%	50V
C447	1-102-973-00	CERAMIC	100PF	5%	50V
C1301	1-123-330-00	ELECT	22MF	20%	16V
C1302	1-124-963-11	ELECT	33MF	20%	16V
C1303	1-123-380-00	ELECT	1MF	20%	50V
C1304	1-101-006-00	CERAMIC	0.047MF		50V
C1305	1-106-367-00	MYLAR	0.01MF	10%	100V
C1306	1-102-971-00	CERAMIC	82PF	5%	50V
C1307	1-124-284-00	ELECT	10MF	20%	16V
C1308	1-101-006-00	CERAMIC	0.047MF		50V
C1309	1-102-129-00	CERAMIC	0.01MF	10%	50V
C1310	1-124-477-11	ELECT	47MF	20%	16V
C1311	1-123-356-00	ELECT	10MF	20%	16V
C1330	1-123-369-00	ELECT	4.7MF	20%	50V
C1331	1-124-621-11	ELECT	3300MF	20%	6.3V
C1333	1-108-617-91	MYLAR	0.0018MF	10%	100V
C1336	1-108-618-91	MYLAR	0.0022MF	10%	100V
C1338	1-124-478-11	ELECT	100MF	20%	25V
C1339	1-124-120-11	ELECT	220MF	20%	16V
C1340	1-123-380-00	ELECT	1MF	20%	50V
C1341	1-123-380-00	ELECT	1MF	20%	50V
C1342	1-108-630-91	MYLAR	0.022MF	10%	100V
C1343	1-136-165-00	FILM	0.1MF	5%	50V
C1344	1-102-973-00	CERAMIC	100PF	5%	50V
C1345	1-106-359-00	MYLAR	0.0047MF	10%	100V
C1401	1-102-074-00	CERAMIC	0.001MF	10%	50V
C1402	1-124-477-11	ELECT	47MF	20%	16V
C1403	1-102-129-00	CERAMIC	0.01MF	10%	50V
C1404	1-123-318-00	ELECT	33MF	20%	16V

TRIMMER

Ref.No.	Part No.	Description			Remark
CV401	1-141-147-XX	CAP, TRIMMER			

DIODE

Ref.No.	Part No.	Description			Remark
D101	8-719-109-95	DIODE RD6.8ES-B			
D102	8-719-109-95	DIODE RD6.8ES-B			
D103	8-719-911-19	DIODE 1SS119			
D104	8-719-101-39	DIODE RD3.6E-L2			
D105	8-719-511-40	DIODE S1VB40			
D106	8-719-200-02	DIODE 10E2			
D107	8-719-110-83	DIODE RD36ES-B2			
D108 ⚠	8-719-921-20	DIODE 1SS119TD			
D109	8-719-911-19	DIODE 1SS119			
D110	8-719-911-19	DIODE 1SS119			
D111	8-719-109-85	DIODE RD5.1ES-B2			
D118	8-719-109-91	DIODE RD6.2ES-B			
D120	8-719-110-34	DIODE RD13ES-B			
D126	8-719-109-91	DIODE RD6.2ES-B			
D129	8-719-109-91	DIODE RD6.2ES-B			
D131	8-719-109-91	DIODE RD6.2ES-B			
D132	8-719-109-91	DIODE RD6.2ES-B			
D401	8-719-911-19	DIODE 1SS119			
D402	8-719-911-19	DIODE 1SS119			
D403	8-719-911-19	DIODE 1SS119			
D404	8-719-911-19	DIODE 1SS119			
D441	8-719-911-19	DIODE 1SS119			
D443	8-719-911-19	DIODE 1SS119			
D444	8-719-911-19	DIODE 1SS119			
D445	8-719-911-19	DIODE 1SS119			
D470	8-719-911-19	DIODE 1SS119			
D471	8-719-911-19	DIODE 1SS119			
D472	8-719-911-19	DIODE 1SS119			
D473	8-719-911-19	DIODE 1SS119			
D474	8-719-911-19	DIODE 1SS119			
D475	8-719-911-19	DIODE 1SS119			
D1301	8-719-911-19	DIODE 1SS119			
D1302	8-719-911-19	DIODE 1SS119			
D1303	8-719-911-19	DIODE 1SS119			
D1304	8-719-911-19	DIODE 1SS119			
D1330	8-719-102-14	DIODE RD24E-L2			
D1331	8-719-911-19	DIODE 1SS119			
D1332	8-719-109-85	DIODE RD5.1ES-B2			
D1401	8-719-911-19	DIODE 1SS119			
D1402	8-719-911-19	DIODE 1SS119			

DELAY LINE

Ref.No.	Part No.	Description			Remark
DL301	1-415-280-00	DELAY LINE (1H)			
DL302A	1-415-530-11	DELAY LINE, Y			
DL302B	1-415-531-11	DELAY LINE, Y			

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Ref.No.	Part No.	Description	Remark
		IC	
IC101	8-759-105-89	IC UPD7508HCU-222	
IC102	8-759-102-12	IC UPD6250C	
IC103⚠	8-759-102-28	IC UPD6326C	
IC104	8-759-182-43	IC UPD8243C	
IC105	8-759-104-05	IC UPD6325C	
IC106	8-759-207-07	IC TD62381P	
IC107	8-759-207-07	IC TD62381P	
IC108⚠	8-759-108-05	IC UPC78L05A	
IC109	8-759-171-05	IC UPC7805H	
IC110	8-759-140-66	IC UPD4066BC	
IC301	8-759-913-11	IC CX20125	
IC401	8-758-480-00	IC CX848	
IC1301⚠	8-759-171-12	IC UPC7812H	
		JACK	
J201	*1-564-529-11	CONNECTOR, BOARD TO BOARD 5P	
		COIL	
L101	1-407-708-00	INDUCTOR 180UH	
L102	1-407-708-00	INDUCTOR 180UH	
L103	1-408-618-00	INDUCTOR 180UH	
L104	1-408-618-00	INDUCTOR 180UH	
L105	1-408-618-00	INDUCTOR 180UH	
L106	1-408-618-00	INDUCTOR 180UH	
L301	1-408-412-00	INDUCTOR 18UH	
L302	1-407-571-00	COIL, VARIABLE 22UH	
L303	1-408-412-00	INDUCTOR 18UH	
L304	1-408-411-00	INDUCTOR 15UH	
L306	1-408-417-00	INDUCTOR 47UH	
L307	1-408-412-00	INDUCTOR 18UH	
L308	1-409-193-00	COIL 3.58MHZ TRAP	
L310	1-407-695-00	INDUCTOR 15UH	
L401	1-408-592-11	INDUCTOR 1.2UH	
L402	1-408-592-11	INDUCTOR 1.2UH	
L404	1-408-592-11	INDUCTOR 1.2UH	
L1330	1-408-236-00	INDUCTOR 2.7MMH	
L1331	1-407-364-00	COIL, SPOOK CHOKE 3.3UH	
		TRANSISTOR	
Q101	8-729-117-54	TRANSISTOR 2SA1175	
Q102	8-729-117-54	TRANSISTOR 2SA1175	
Q103	8-729-178-54	TRANSISTOR 2SC2785	
Q104	8-729-178-54	TRANSISTOR 2SC2785	
Q105	8-729-178-54	TRANSISTOR 2SC2785	
Q106	8-729-117-54	TRANSISTOR 2SA1175	
Q107	8-729-178-54	TRANSISTOR 2SC2785	
Q108	8-729-178-54	TRANSISTOR 2SC2785	
Q109	8-729-178-54	TRANSISTOR 2SC2785	
Q110⚠	8-729-101-54	TRANSISTOR 2SA1175TP-F	
Q111	8-729-117-54	TRANSISTOR 2SA1175	
Q112	8-729-178-54	TRANSISTOR 2SC2785	
Q113	8-729-113-32	TRANSISTOR 2SB733	
Q115	8-729-900-36	TRANSISTOR DTC124ES	
Q116	8-729-117-54	TRANSISTOR 2SA1175	
Q117	8-729-178-54	TRANSISTOR 2SC2785	
Q301	8-729-178-54	TRANSISTOR 2SC2785	
Q302	8-729-178-54	TRANSISTOR 2SC2785	
Q303	8-729-178-54	TRANSISTOR 2SC2785	
Q304	8-729-117-54	TRANSISTOR 2SA1175	
Q305	8-729-117-54	TRANSISTOR 2SA1175	
Q306	8-729-178-54	TRANSISTOR 2SC2785	
Q307	8-729-178-54	TRANSISTOR 2SC2785	
Q308	8-729-178-54	TRANSISTOR 2SC2785	
Q309	8-729-178-54	TRANSISTOR 2SC2785	
Q313	8-729-178-54	TRANSISTOR 2SC2785	
Q314	8-729-178-54	TRANSISTOR 2SC2785	
Q315	8-729-900-36	TRANSISTOR DTC124ES	
Q316	8-729-178-54	TRANSISTOR 2SC2785	
Q317	8-729-117-54	TRANSISTOR 2SA1175	
Q318	8-729-178-54	TRANSISTOR 2SC2785	
Q322	8-729-600-12	TRANSISTOR 2SK108	
Q323	8-729-600-12	TRANSISTOR 2SK108	
Q324	8-729-178-54	TRANSISTOR 2SC2785	
Q325	8-729-178-54	TRANSISTOR 2SC2785	
Q326	8-729-178-54	TRANSISTOR 2SC2785	
Q327	8-729-178-54	TRANSISTOR 2SC2785	
Q328	8-729-178-54	TRANSISTOR 2SC2785	
Q329	8-729-117-54	TRANSISTOR 2SA1175	
Q440⚠	8-729-101-36	TRANSISTOR 2SC2785TP-H	
Q441	8-729-117-54	TRANSISTOR 2SA1175	
Q442	8-729-178-54	TRANSISTOR 2SC2785	
Q443	8-729-178-54	TRANSISTOR 2SC2785	
Q444	8-729-117-54	TRANSISTOR 2SA1175	
Q445	8-729-117-54	TRANSISTOR 2SA1175	
Q446	8-729-178-54	TRANSISTOR 2SC2785	
Q447	8-729-178-54	TRANSISTOR 2SC2785	
Q448	8-729-178-54	TRANSISTOR 2SC2785	
Q449	8-729-117-54	TRANSISTOR 2SA1175	
Q450	8-729-178-54	TRANSISTOR 2SC2785	
Q451	8-729-117-54	TRANSISTOR 2SA1175	
Q452	8-729-178-54	TRANSISTOR 2SC2785	
Q453	8-729-117-54	TRANSISTOR 2SA1175	
Q454	8-729-117-54	TRANSISTOR 2SA1175	
Q470	8-729-117-54	TRANSISTOR 2SA1175	
Q471	8-729-178-54	TRANSISTOR 2SC2785	
Q472	8-729-178-54	TRANSISTOR 2SC2785	
Q473	8-729-178-54	TRANSISTOR 2SC2785	
Q474	8-729-178-54	TRANSISTOR 2SC2785	
Q475	8-729-178-54	TRANSISTOR 2SC2785	
Q476	8-729-178-54	TRANSISTOR 2SC2785	
Q1301	8-729-178-54	TRANSISTOR 2SC2785	
Q1302	8-729-117-54	TRANSISTOR 2SA1175	
Q1303	8-729-178-54	TRANSISTOR 2SC2785	
Q1304	8-729-178-54	TRANSISTOR 2SC2785	

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Ref.No.	Part No.	Description				Remark
Q1305	8-729-178-54	TRANSISTOR 2SC2785				
Q1306	8-729-178-54	TRANSISTOR 2SC2785				
Q1307	8-729-178-54	TRANSISTOR 2SC2785				
Q1308	8-729-178-54	TRANSISTOR 2SC2785				
Q1311	8-729-117-54	TRANSISTOR 2SA1175				
Q1330	8-729-117-54	TRANSISTOR 2SA1175				
Q1331	8-729-178-54	TRANSISTOR 2SC2785				
Q1332	8-729-117-54	TRANSISTOR 2SA1175				
Q1333	8-729-117-54	TRANSISTOR 2SA1175				
Q1334	8-729-117-54	TRANSISTOR 2SA1175				
Q1401	8-729-117-54	TRANSISTOR 2SA1175				
Q1402	8-729-117-54	TRANSISTOR 2SA1175				
Q1403	8-729-117-54	TRANSISTOR 2SA1175				
Q1404	8-729-117-54	TRANSISTOR 2SA1175				
Q1405	8-729-117-54	TRANSISTOR 2SA1175				
Q1406	8-729-117-54	TRANSISTOR 2SA1175				
Q1407	8-729-117-54	TRANSISTOR 2SA1175				
Q1408	8-729-117-54	TRANSISTOR 2SA1175				
Q1409	8-729-117-54	TRANSISTOR 2SA1175				
Q1410	8-729-117-54	TRANSISTOR 2SA1175				
Q1411	8-729-117-54	TRANSISTOR 2SA1175				
Q1412	8-729-117-54	TRANSISTOR 2SA1175				
Q1413	8-729-117-54	TRANSISTOR 2SA1175				
Q1414	8-729-117-54	TRANSISTOR 2SA1175				
Q1415	8-729-117-54	TRANSISTOR 2SA1175				
Q1416	8-729-117-54	TRANSISTOR 2SA1175				
Q1417	8-729-117-54	TRANSISTOR 2SA1175				
Q1418	8-729-117-54	TRANSISTOR 2SA1175				
Q1419	8-729-178-54	TRANSISTOR 2SC2785				
Q1420	8-729-117-54	TRANSISTOR 2SA1175				
Q1421	8-729-600-12	TRANSISTOR 2SK108				
Q1422	8-729-178-54	TRANSISTOR 2SC2785				
		RESISTOR				
R101	1-249-395-11	CARBON	15	5%	1/4W	
R102	1-249-395-11	CARBON	15	5%	1/4W	
R103	1-249-441-11	CARBON	100K	5%	1/4W	
R104	1-249-441-11	CARBON	100K	5%	1/4W	
R105	1-249-404-00	CARBON	82	5%	1/4W	
R106	1-249-413-11	CARBON	470	5%	1/4W	
R107	1-249-421-11	CARBON	2.2K	5%	1/4W	
R108	1-249-433-11	CARBON	22K	5%	1/4W	
R109	1-249-433-11	CARBON	22K	5%	1/4W	
R110	1-249-465-11	CARBON	47K	5%	1/4W	
R111	1-249-437-11	CARBON	47K	5%	1/4W	
R112	1-249-427-11	CARBON	6.8K	5%	1/4W	
R113	1-249-421-11	CARBON	2.2K	5%	1/4W	F
R114	1-249-421-11	CARBON	2.2K	5%	1/4W	F
R115	1-249-425-11	CARBON	4.7K	5%	1/4W	
R116	1-249-414-11	CARBON	560	5%	1/4W	
R117	1-249-429-11	CARBON	10K	5%	1/4W	
R118	1-249-429-11	CARBON	10K	5%	1/4W	
R119	1-249-441-11	CARBON	100K	5%	1/4W	

Ref.No.	Part No.	Description				Remark
R120	1-249-382-11	CARBON	1.2	5%	1/4W	F
R121	1-247-739-11	CARBON	100	5%	1/2W	F
R122	1-249-389-11	CARBON	4.7	5%	1/4W	F
R123	1-249-424-11	CARBON	3.9K	5%	1/4W	
R124	1-249-469-11	CARBON	100K	5%	1/4W	
R125	1-249-433-11	CARBON	22K	5%	1/4W	
R126	1-249-435-11	CARBON	33K	5%	1/4W	
R128	1-249-405-11	CARBON	100	5%	1/4W	
R129	1-249-421-11	CARBON	2.2K	5%	1/4W	
R130	1-247-706-11	CARBON	330	5%	1/4W	
R131	1-249-417-11	CARBON	1K	5%	1/4W	
R132	1-249-417-11	CARBON	1K	5%	1/4W	
R133	1-249-421-11	CARBON	2.2K	5%	1/4W	
R134	1-249-421-11	CARBON	2.2K	5%	1/4W	
R135	1-249-421-11	CARBON	2.2K	5%	1/4W	
R136	1-249-421-11	CARBON	2.2K	5%	1/4W	
R137	1-249-421-11	CARBON	2.2K	5%	1/4W	
R138	1-249-421-11	CARBON	2.2K	5%	1/4W	
R140	1-249-421-11	CARBON	2.2K	5%	1/4W	
R141	1-249-421-11	CARBON	2.2K	5%	1/4W	
R142	1-249-421-11	CARBON	2.2K	5%	1/4W	
R143	1-249-421-11	CARBON	2.2K	5%	1/4W	
R144	1-247-710-11	CARBON	560	5%	1/4W	
R145	1-249-421-11	CARBON	2.2K	5%	1/4W	
R146	1-249-421-11	CARBON	2.2K	5%	1/4W	
R147	1-249-421-11	CARBON	2.2K	5%	1/4W	
R148	1-249-414-11	CARBON	560	5%	1/4W	
R149	1-247-883-00	CARBON	150K	5%	1/4W	
R150	1-249-422-11	CARBON	2.7K	5%	1/4W	
R151	1-249-424-11	CARBON	3.9K	5%	1/4W	
R152	1-249-421-11	CARBON	2.2K	5%	1/4W	
R153	1-249-421-11	CARBON	2.2K	5%	1/4W	
R154	1-249-421-11	CARBON	2.2K	5%	1/4W	
R155	1-249-421-11	CARBON	2.2K	5%	1/4W	
R156	1-247-717-11	CARBON	2.2K	5%	1/4W	
R157	1-249-397-11	CARBON	22	5%	1/4W	
R158	1-249-397-11	CARBON	22	5%	1/4W	
R159	1-249-397-11	CARBON	22	5%	1/4W	
R160	1-249-397-11	CARBON	22	5%	1/4W	
R161	1-249-397-11	CARBON	22	5%	1/4W	
R162	1-249-397-11	CARBON	22	5%	1/4W	
R163	1-249-397-11	CARBON	22	5%	1/4W	
R164	1-249-397-11	CARBON	22	5%	1/4W	
R165	1-249-397-11	CARBON	22	5%	1/4W	
R166	1-249-397-11	CARBON	22	5%	1/4W	
R167	1-249-397-11	CARBON	22	5%	1/4W	
R168	1-249-397-11	CARBON	22	5%	1/4W	
R171	1-249-397-11	CARBON	22	5%	1/4W	
R172	1-249-397-11	CARBON	22	5%	1/4W	
R173	1-249-397-11	CARBON	22	5%	1/4W	
R176	1-249-429-11	CARBON	10K	5%	1/4W	
R177	1-249-433-11	CARBON	22K	5%	1/4W	
R178	1-249-433-11	CARBON	22K	5%	1/4W	
R179	1-249-421-11	CARBON	2.2K	5%	1/4W	

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Ref.No.	Part No.	Description				Remark
R180	1-249-421-11	CARBON	2.2K	5%	1/4W	
R181	1-249-421-11	CARBON	2.2K	5%	1/4W	
R182	1-249-421-11	CARBON	2.2K	5%	1/4W	
R183	1-249-433-11	CARBON	22K	5%	1/4W	
R184	1-249-437-11	CARBON	47K	5%	1/4W	
R185	1-249-417-11	CARBON	1K	5%	1/4W	
R186	1-249-417-11	CARBON	1K	5%	1/4W	
R187	1-249-417-11	CARBON	1K	5%	1/4W	
R188	1-249-417-11	CARBON	1K	5%	1/4W	
R189	1-249-417-11	CARBON	1K	5%	1/4W	
R190	1-249-417-11	CARBON	1K	5%	1/4W	
R191	1-249-417-11	CARBON	1K	5%	1/4W	
R192	1-247-717-11	CARBON	2.2K	5%	1/4W	
R193	1-249-425-11	CARBON	4.7K	5%	1/4W	
R194	1-249-405-11	CARBON	100	5%	1/4W	
R195	1-249-441-11	CARBON	100K	5%	1/4W	
R196	1-249-405-11	CARBON	100	5%	1/4W	
R198	1-249-433-11	CARBON	22K	5%	1/4W	
R199	1-249-437-11	CARBON	47K	5%	1/4W	
R301	1-249-411-11	CARBON	330	5%	1/4W	
R302	1-249-408-11	CARBON	180	5%	1/4W	
R303	1-249-417-11	CARBON	1K	5%	1/4W	
R304	1-249-414-11	CARBON	560	5%	1/4W	
R305	1-215-426-00	CARBON	1.6K	5%	1/4W	
R306	1-249-413-11	CARBON	470	5%	1/4W	
R307	1-249-438-11	CARBON	56K	5%	1/4W	
R308	1-215-452-00	CARBON	20K	5%	1/4W	
R309	1-249-417-11	CARBON	1K	5%	1/4W	
R310	1-249-425-11	CARBON	4.7K	5%	1/4W	
R311	1-249-412-11	CARBON	390	5%	1/4W	
R312	1-215-456-00	CARBON	30K	5%	1/4W	
R313	1-249-438-11	CARBON	56K	5%	1/4W	
R314	1-249-413-11	CARBON	470	5%	1/4W	
R315	1-249-413-11	CARBON	470	5%	1/4W	
R316	1-249-413-11	CARBON	470	5%	1/4W	
R317	1-249-422-11	CARBON	2.7K	5%	1/4W	
R318	1-249-415-11	CARBON	680	5%	1/4W	
R319	1-247-711-11	CARBON	680	5%	1/4W	
R320	1-249-415-11	CARBON	680	5%	1/4W	
R321	1-249-415-11	CARBON	680	5%	1/4W	
R322	1-249-403-11	CARBON	68	5%	1/4W	
R323	1-249-418-11	CARBON	1.2K	5%	1/4W	
R324	1-249-409-11	CARBON	220	5%	1/4W	
R325	1-249-409-11	CARBON	220	5%	1/4W	
R326	1-249-421-11	CARBON	2.2K	5%	1/4W	
R327	1-249-415-11	CARBON	680	5%	1/4W	
R328	1-249-411-11	CARBON	330	5%	1/4W	
R329	1-249-415-11	CARBON	680	5%	1/4W	
R330	1-249-437-11	CARBON	47K	5%	1/4W	
R331	1-249-433-11	CARBON	22K	5%	1/4W	
R333	1-249-409-11	CARBON	220	5%	1/4W	
R334	1-249-409-11	CARBON	220	5%	1/4W	
R335	1-249-417-11	CARBON	1K	5%	1/4W	
R336	1-249-417-11	CARBON	1K	5%	1/4W	
R337	1-249-417-11	CARBON	1K	5%	1/4W	
R338	1-249-409-11	CARBON	220	5%	1/4W	
R339	1-249-417-11	CARBON	1K	5%	1/4W	
R340	1-249-417-11	CARBON	1K	5%	1/4W	
R341	1-249-441-11	CARBON	100K	5%	1/4W	
R342	1-249-441-11	CARBON	100K	5%	1/4W	
R343	1-249-429-11	CARBON	10K	5%	1/4W	
R344	1-249-441-11	CARBON	100K	5%	1/4W	
R345	1-249-419-11	CARBON	1.5K	5%	1/4W	
R346	1-249-422-11	CARBON	2.7K	5%	1/4W	
R347	1-247-895-00	CARBON	470K	5%	1/4W	
R348	1-215-432-00	CARBON	3K	5%	1/4W	
R349	1-215-487-00	CARBON	560K	5%	1/4W	
R351	1-215-489-00	CARBON	680K	5%	1/4W	
R352	1-249-405-11	CARBON	100	5%	1/4W	
R353	1-249-423-11	CARBON	3.3K	5%	1/4W	
R354	1-249-417-11	CARBON	1K	5%	1/4W	
R355	1-249-433-11	CARBON	22K	5%	1/4W	
R357	1-249-416-11	CARBON	820	5%	1/4W	
R358	1-249-424-11	CARBON	3.9K	5%	1/4W	
R359	1-249-413-11	CARBON	470	5%	1/4W	
R360	1-249-418-11	CARBON	1.2K	5%	1/4W	
R381	1-249-417-11	CARBON	1K	5%	1/4W	
R382	1-247-826-00	CARBON	620	5%	1/4W	
R383	1-215-430-00	CARBON	2.4K	5%	1/4W	
R384	1-249-419-11	CARBON	1.5K	5%	1/4W	
R385	1-249-434-11	CARBON	27K	5%	1/4W	
R386	1-249-432-11	CARBON	18K	5%	1/4W	
R387	1-249-413-11	CARBON	470	5%	1/4W	
R388	1-249-417-11	CARBON	1K	5%	1/4W	
R389	1-249-416-11	CARBON	820	5%	1/4W	
R390	1-247-822-00	CARBON	430	5%	1/4W	
R391	1-249-411-11	CARBON	330	5%	1/4W	
R392	1-249-405-11	CARBON	100	5%	1/4W	
R393	1-249-405-11	CARBON	100	5%	1/4W	
R394	1-249-405-11	CARBON	100	5%	1/4W	
R401	1-249-405-11	CARBON	100	5%	1/4W	
R402	1-249-412-11	CARBON	390	5%	1/4W	
R403	1-249-433-11	CARBON	22K	5%	1/4W	
R404	1-249-416-11	CARBON	820	5%	1/4W	
R405	1-247-706-11	CARBON	330	5%	1/4W	
R407	1-249-409-11	CARBON	220	5%	1/4W	
R409	1-249-409-11	CARBON	220	5%	1/4W	
R410	1-249-429-11	CARBON	10K	5%	1/4W	
R411	1-249-429-11	CARBON	10K	5%	1/4W	
R412	1-249-405-11	CARBON	100	5%	1/4W	
R413	1-249-409-11	CARBON	220	5%	1/4W	
R414	1-247-704-11	CARBON	220	5%	1/4W	
R415	1-247-704-11	CARBON	220	5%	1/4W	
R416	1-247-704-11	CARBON	220	5%	1/4W	
R418	1-249-405-11	CARBON	100	5%	1/4W	
R419	1-215-493-00	CARBON	1M	5%	1/4W	

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Ref.No.	Part No.	Description				Remark
R420	1-247-725-11	CARBON	10K	5%	1/4W	
R421	1-247-162-00	CARBON	20K	5%	1/4W	
R422	1-247-725-11	CARBON	10K	5%	1/4W	
R423	1-247-172-00	CARBON	51K	5%	1/4W	
R424	1-249-432-11	CARBON	18K	5%	1/4W	
R425	1-247-725-11	CARBON	10K	5%	1/4W	
R426	1-247-704-11	CARBON	220	5%	1/4W	
R440	1-249-421-11	CARBON	2.2K	5%	1/4W	
R441	1-249-423-11	CARBON	3.3K	5%	1/4W	
R442	1-249-437-11	CARBON	47K	5%	1/4W	
R443	1-249-435-11	CARBON	33K	5%	1/4W	
R444	1-215-460-00	CARBON	43K	5%	1/4W	
R445	1-249-426-11	CARBON	5.6K	5%	1/4W	
R452	1-249-441-11	CARBON	100K	5%	1/4W	
R453	1-249-411-11	CARBON	330	5%	1/4W	
R454	1-249-416-11	CARBON	820	5%	1/4W	
R455	1-249-409-11	CARBON	220	5%	1/4W	
R457	1-249-424-11	CARBON	3.9K	5%	1/4W	
R459	1-249-429-11	CARBON	10K	5%	1/4W	
R460	1-249-423-11	CARBON	3.3K	5%	1/4W	
R461	1-249-423-11	CARBON	3.3K	5%	1/4W	
R470	1-249-460-11	CARBON	15K	5%	1/4W	
R472	1-247-713-11	CARBON	1K	5%	1/4W	
R473	1-249-417-11	CARBON	1K	5%	1/4W	
R474	1-249-417-11	CARBON	1K	5%	1/4W	
R475	1-249-409-11	CARBON	220	5%	1/4W	
R476	1-249-425-11	CARBON	4.7K	5%	1/4W	
R477	1-249-425-11	CARBON	4.7K	5%	1/4W	
R479	1-249-435-11	CARBON	33K	5%	1/4W	
R480	1-249-409-11	CARBON	220	5%	1/4W	
R481	1-249-409-11	CARBON	220	5%	1/4W	
R482	1-215-438-00	CARBON	5.1K	5%	1/4W	
R483	1-249-409-11	CARBON	220	5%	1/4W	
R484	1-249-441-11	CARBON	100K	5%	1/4W	
R485	1-247-891-00	CARBON	330K	5%	1/4W	
R486	1-249-429-11	CARBON	10K	5%	1/4W	
R487	1-249-417-11	CARBON	1K	5%	1/4W	
R488	1-247-887-00	CARBON	220K	5%	1/4W	
R489	1-249-427-11	CARBON	6.8K	5%	1/4W	
R490	1-249-417-11	CARBON	1K	5%	1/4W	
R491	1-249-429-11	CARBON	10K	5%	1/4W	
R492	1-249-417-11	CARBON	1K	5%	1/4W	
R493	1-249-405-11	CARBON	100	5%	1/4W	
R494	1-249-433-11	CARBON	22K	5%	1/4W	
R495	1-249-429-11	CARBON	10K	5%	1/4W	
R496	1-249-430-11	CARBON	12K	5%	1/4W	
R497	1-215-434-00	CARBON	3.6K	5%	1/4W	
R498	1-249-421-11	CARBON	2.2K	5%	1/4W	
R499	1-249-429-11	CARBON	10K	5%	1/4W	
R1101	1-249-441-11	CARBON	100K	5%	1/4W	
R1102	1-247-719-11	CARBON	3.3K	5%	1/4W	
R1103	1-249-441-11	CARBON	100K	5%	1/4W	
R1104	1-249-433-11	CARBON	22K	5%	1/4W	
R1301	1-247-704-11	CARBON	220	5%	1/4W	
R1302	1-249-431-11	CARBON	15K	5%	1/4W	
R1303	1-249-430-11	CARBON	12K	5%	1/4W	
R1304	1-247-881-00	CARBON	120K	5%	1/4W	
R1305	1-247-887-00	CARBON	220K	5%	1/4W	
R1306	1-247-887-00	CARBON	220K	5%	1/4W	
R1307	1-249-433-11	CARBON	22K	5%	1/4W	
R1308	1-249-429-11	CARBON	10K	5%	1/4W	
R1309	1-249-433-11	CARBON	22K	5%	1/4W	
R1310	1-249-433-11	CARBON	22K	5%	1/4W	
R1311	1-249-417-11	CARBON	1K	5%	1/4W	
R1312	1-249-429-11	CARBON	10K	5%	1/4W	
R1313	1-249-429-11	CARBON	10K	5%	1/4W	
R1314	1-249-434-11	CARBON	27K	5%	1/4W	
R1315	1-249-424-11	CARBON	3.9K	5%	1/4W	
R1316	1-249-409-11	CARBON	220	5%	1/4W	
R1317	1-249-433-11	CARBON	22K	5%	1/4W	
R1318	1-249-419-11	CARBON	1.5K	5%	1/4W	
R1319	1-249-411-11	CARBON	330	5%	1/4W	
R1320	1-249-405-11	CARBON	100	5%	1/4W	
R1321	1-249-421-11	CARBON	2.2K	5%	1/4W	
R1322	1-249-421-11	CARBON	2.2K	5%	1/4W	
R1323	1-247-891-00	CARBON	330K	5%	1/4W	
R1324	1-247-891-00	CARBON	330K	5%	1/4W	
R1325	1-249-417-11	CARBON	1K	5%	1/4W	
R1326 ⚠	1-216-349-51	METAL OXIDE	1	5%	1W	F
R1327	1-249-401-11	CARBON	47	5%	1/4W	
R1328	1-249-401-11	CARBON	47	5%	1/4W	
R1329	1-249-401-11	CARBON	47	5%	1/4W	
R1330	1-249-435-11	CARBON	33K	5%	1/4W	
R1331	1-249-431-11	CARBON	15K	5%	1/4W	
R1332	1-249-433-11	CARBON	22K	5%	1/4W	
R1333	1-249-427-11	CARBON	6.8K	5%	1/4W	
R1334	1-249-421-11	CARBON	2.2K	5%	1/4W	
R1335	1-249-405-11	CARBON	100	5%	1/4W	
R1336	1-249-429-11	CARBON	10K	5%	1/4W	
R1337	1-249-429-11	CARBON	10K	5%	1/4W	
R1338	1-247-710-11	CARBON	560	5%	1/4W	
R1339	1-249-413-11	CARBON	470	5%	1/4W	
R1340	1-249-409-11	CARBON	220	5%	1/4W	
R1341	1-249-411-11	CARBON	330	5%	1/4W	
R1342	1-247-710-11	CARBON	560	5%	1/4W	
R1343	1-249-424-11	CARBON	3.9K	5%	1/4W	
R1344	1-249-437-11	CARBON	47K	5%	1/4W	
R1345	1-215-491-00	CARBON	820K	5%	1/4W	
R1346	1-202-730-00	SOLID	8.2M	10%	1/2W	
R1347	1-249-422-11	CARBON	2.7K	5%	1/4W	
R1348	1-249-409-11	CARBON	220	5%	1/4W	
R1349	1-249-423-11	CARBON	3.3K	5%	1/4W	
R1350 ⚠	1-215-471-91	METAL	120K	1%	1/6W	
R1401	1-249-423-11	CARBON	3.3K	5%	1/4W	
R1402	1-249-423-11	CARBON	3.3K	5%	1/4W	
R1403	1-249-423-11	CARBON	3.3K	5%	1/4W	
R1404	1-249-423-11	CARBON	3.3K	5%	1/4W	

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Ne les remplacer que par une pièce portant le numéro spécifié.

Ref.No.	Part No.	Description				Remark
R1405	1-249-418-11	CARBON	1.2K	5%	1/4W	
R1406	1-249-417-11	CARBON	1K	5%	1/4W	
R1407	1-249-417-11	CARBON	1K	5%	1/4W	
R1408	1-249-405-11	CARBON	100	5%	1/4W	
R1409	1-249-405-11	CARBON	100	5%	1/4W	
R1410	1-249-405-11	CARBON	100	5%	1/4W	
R1411	1-215-409-00	METAL	330	1%	1/6W	
R1412	1-249-417-11	CARBON	1K	5%	1/4W	
R1413	1-214-727-00	METAL	820	1%	1/4W	
R1414	1-214-727-00	METAL	820	1%	1/4W	
R1415	1-247-838-00	CARBON	2K	5%	1/4W	
R1416	1-249-417-11	CARBON	1K	5%	1/4W	
R1417	1-215-409-00	METAL	330	1%	1/6W	
R1418	1-215-409-00	METAL	330	1%	1/6W	
R1419	1-215-409-00	METAL	330	1%	1/6W	
R1420	1-215-409-00	METAL	330	1%	1/6W	
R1421	1-249-418-11	CARBON	1.2K	5%	1/4W	
R1422	1-249-429-11	CARBON	10K	5%	1/4W	
R1423	1-249-423-11	CARBON	3.3K	5%	1/4W	
R1424	1-249-436-11	CARBON	39K	5%	1/4W	
R1425	1-249-432-11	CARBON	18K	5%	1/4W	
R1426	1-249-421-11	CARBON	2.2K	5%	1/4W	
R1427	1-249-421-11	CARBON	2.2K	5%	1/4W	
R1428	1-249-416-11	CARBON	820	5%	1/4W	
R1429	1-215-421-00	METAL	1K	1%	1/6W	
R1430	1-215-432-00	METAL	3K	1%	1/6W	
R1431	1-249-429-11	CARBON	10K	5%	1/4W	
R1432	1-249-429-11	CARBON	10K	5%	1/4W	
R1433	1-249-441-11	CARBON	100K	5%	1/4W	
		VARIABLE RESISTOR				
RV301	1-228-718-00	RES, ADJ, CERAMIC CARBON 330				
RV401	1-228-724-00	RES, ADJ, CERAMIC CARBON 10K				
RV402	1-228-724-00	RES, ADJ, CERAMIC CARBON 10K				
RV403	1-228-724-00	RES, ADJ, CERAMIC CARBON 10K				
RV471	1-228-724-00	RES, ADJ, CERAMIC CARBON 10K				
RV472	1-228-724-00	RES, ADJ, CERAMIC CARBON 10K				
RV1401	1-228-719-00	RES, ADJ, CERAMIC CARBON 470				
RV1402	1-228-719-00	RES, ADJ, CERAMIC CARBON 470				
RV1403	1-228-724-00	RES, ADJ, CERAMIC CARBON 10K				
		TRANSFORMER				
T301	1-425-786-00	TRANSFORMER,BANDPASS (BPT)				
		CRYSTAL				
X101	1-567-192-11	OSCILLATOR, CERAMIC				
X401	1-527-722-00	OSCILLATOR, CRYSTAL				

Ref.No.	Part No.	Description				Remark
	*1-619-318-11	B2 BOARD				
		********				
		CAPACITOR				
C309	1-101-006-00	CERAMIC	0.047MF		50V	
C310	1-123-318-00	ELECT	33MF	20%	16V	
C313	1-126-101-11	ELECT	100MF	20%	10V	
C314	1-102-963-00	CERAMIC	33PF	5%	50V	
C315	1-126-101-11	ELECT	100MF	20%	10V	
C322	1-102-971-00	CERAMIC	82PF	5%	50V	
C323	1-126-101-11	ELECT	100MF	20%	10V	
		DELAY LINE				
DL303	1-415-509-11	DELAY LINE				
DL304	1-415-509-11	DELAY LINE				
		CONNECTOR				
P201	*1-562-516-11	CONNECTOR, BOARD TO BOARD 5P				
		TRANSISTOR				
Q310	8-729-178-54	TRANSISTOR 2SC2785				
Q311	8-729-117-54	TRANSISTOR 2SA1175				
Q312	8-729-117-54	TRANSISTOR 2SA1175				
Q319	8-729-117-54	TRANSISTOR 2SA1175				
Q320	8-729-178-54	TRANSISTOR 2SC2785				
Q321	8-729-178-54	TRANSISTOR 2SC2785				
		RESISTOR				
R361	1-249-424-11	CARBON	3.9K	5%	1/4W	
R362	1-249-433-11	CARBON	22K	5%	1/4W	
R363	1-249-421-11	CARBON	2.2K	5%	1/4W	
R364	1-249-417-11	CARBON	1K	5%	1/4W	
R365	1-249-417-11	CARBON	1K	5%	1/4W	
R366	1-249-418-11	CARBON	1.2K	5%	1/4W	
R367	1-249-417-11	CARBON	1K	5%	1/4W	
R368	1-249-417-11	CARBON	1K	5%	1/4W	
R369	1-249-417-11	CARBON	1K	5%	1/4W	
R370	1-249-421-11	CARBON	2.2K	5%	1/4W	
R371	1-249-417-11	CARBON	1K	5%	1/4W	
R372	1-249-420-11	CARBON	1.8K	5%	1/4W	
R373	1-249-421-11	CARBON	2.2K	5%	1/4W	
R374	1-249-414-11	CARBON	560	5%	1/4W	
R375	1-249-419-11	CARBON	1.5K	5%	1/4W	
R376	1-249-412-11	CARBON	390	5%	1/4W	
R377	1-249-412-11	CARBON	390	5%	1/4W	
R378	1-249-421-11	CARBON	2.2K	5%	1/4W	
R379	1-249-435-11	CARBON	33K	5%	1/4W	
R380	1-249-431-11	CARBON	15K	5%	1/4W	

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F GA

Ref.No.	Part No.	Description	Remark
	*1-619-285-11	F BOARD	
		*******	
		CAPACITOR	
C601	⚠1-136-346-11	FILM 0.22MF 20% 125V	
C602	⚠1-136-346-11	FILM 0.22MF 20% 125V	
C603	⚠1-162-578-51	CERAMIC 0.0047MF 20% 400V	
C604	⚠1-162-578-51	CERAMIC 0.0047MF 20% 400V	
C605	1-162-578-00	CERAMIC 0.0047MF 20% 400V	
C606	1-162-578-00	CERAMIC 0.0047MF 20% 400V	
C607	1-125-295-00	ELECT(BLOCK) 560MF 20% 200V	
C608	1-125-295-00	ELECT(BLOCK) 560MF 20% 200V	
C611	⚠1-162-578-51	CERAMIC 0.0047MF 20% 400V	
C612	⚠1-162-578-51	CERAMIC 0.0047MF 20% 400V	
		DIODE	
D601	8-719-911-55	DIODE U05G	
D602	8-719-911-55	DIODE U05G	
D603	⚠8-719-938-40	DIODE SIB01-02TP1	
		CONNECTOR	
F1	*1-508-765-00	3P PLUG (M)	
F2	*1-566-063-11	PIN, CONNECTOR 11P	
F3	*1-508-765-00	3P PLUG (M)	
F4	*1-508-765-00	3P PLUG (M)	
F5	*1-508-784-00	1P PLUG	
F6	*1-506-371-00	2P PLUG (L)	
F7	*1-508-765-00	3P PLUG (M)	
F8	*1-506-348-XX	4P PLUG	
F9	*1-508-784-00	1P PLUG	
F10	*1-506-348-XX	3P PLUG (L)	
F11	*1-508-784-00	1P PLUG	
		FUSE	
F601	⚠1-532-627-11	FUSE, GLASS TUBE 7A/125V	
	1-533-190-11	CLIP, FUSE; F601	
		COIL	
L601	1-407-780-00	COIL, SPOOK CHOKE	
		RESISTOR	
R601	⚠1-202-719-91	SOLID 1M 10% 1/2W	
R602	⚠1-202-723-91	SOLID 2.2M 10% 1/2W	
R603	1-244-923-00	CARBON 120K 5% 1/2W	
R604	1-244-923-00	CARBON 120K 5% 1/2W	
		RELAY	
RL601	⚠1-515-579-11	RELAY	
		TRANSFORMER	
T601	⚠1-421-730-11	LFT	
T602	⚠1-421-730-11	LFT	

Ref.No.	Part No.	Description	Remark
T603	⚠1-448-755-11	TRANSFORMER, POWER	
		THERMISTOR	
THP601	⚠1-806-214-21	THERMISTOR (POSITIVE)	
THP602	⚠1-800-686-42	THERMISTOR (POSITIVE)	

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Ref.No.	Part No.	Description	Remark
	*1-613-423-11	GA BOARD	
		********	
		CAPACITOR	
C652	1-136-103-00	FILM 0.1MF 5% 200V	
C654	1-136-103-00	FILM 0.1MF 5% 200V	
C655	1-136-131-00	FILM 0.12MF 5% 400V	
C656	1-162-578-00	CERAMIC 0.0047MF 20% 400V	
C671	1-136-120-00	FILM 0.22MF 5% 400V	
C672	1-162-318-11	CERAMIC 0.001MF 10% 500V	
C673	1-162-318-11	CERAMIC 0.001MF 10% 500V	
C675	1-162-318-11	CERAMIC 0.001MF 10% 500V	
C677	1-162-318-11	CERAMIC 0.001MF 10% 500V	
C680	1-102-030-00	CERAMIC 330PF 10% 500V	
C681	1-102-030-00	CERAMIC 330PF 10% 500V	
		DIODE	
D651	8-719-302-11	DIODE RM2CSS	
D652	8-719-918-77	DIODE V19G	
D653	8-719-302-11	DIODE RM2CSS	
D654	8-719-918-77	DIODE V19G	
		CONNECTOR	
G4	*1-508-765-00	3P PLUG (M)	
		COIL	
L651	1-425-612-00	COIL, ARE-CORE	
L652	1-425-612-00	COIL, ARE-CORE	
L660	1-425-612-00	COIL, ARE-CORE	
L661	1-425-612-00	COIL, ARE-CORE	
		TRANSISTOR	
Q651	⚠8-729-905-49	TRANSISTOR 2SC3163-T	
	4-374-104-01	HOLDER, TR; Q651	
	4-374-108-01	SPACER, MICA; Q651	
Q652	⚠8-729-905-49	TRANSISTOR 2SC3163-T	
	4-374-104-01	HOLDER, TR; Q652	
	4-374-108-01	SPACER, MICA; Q652	
		RESISTOR	
R651	1-215-926-00	METAL OXIDE 33K 5% 3W	F
R652	1-215-926-00	METAL OXIDE 33K 5% 3W	F
R653	1-202-846-00	SOLID 470K 10% 1/2W	
R655	1-206-439-00	METAL OXIDE 1 5% 2W	F
R656	1-206-439-00	METAL OXIDE 1 5% 2W	F

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Ref.No.	Part No.	Description				Remark
R660	1-202-846-00	SOLID	470K	10%	1/2W	
R662	⚠1-207-451-11	WIREWOUND	0.1	10%	1/2W	
		TRANSFORMER				
T651	⚠1-421-695-11	CDT				
T652	⚠1-421-710-11	PRT				

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Ref.No.	Part No.	Description				Remark
	*1-613-424-11	GB BOARD ********				
	*3-701-946-22	LABEL, FUSE				
		CAPACITOR				
C656	1-106-367-00	MYLAR	0.01MF	10%	100V	
C658	1-124-125-91	ELECT	22MF	20%	25V	
C659	1-129-710-00	FILM	0.0047MF	10%	630V	
C660	1-129-710-00	FILM	0.0047MF	10%	630V	
C661	1-136-240-11	FILM	0.014MF	5%	1KV	
C662	⚠1-125-294-11	ELECT(BLOCK)	560MF	20%	160V	
C663	1-162-318-11	CERAMIC	0.001MF	10%	500V	
C664	1-162-318-11	CERAMIC	0.001MF	10%	500V	
C665	⚠1-123-338-51	ELECT	2200MF	20%	25V	
C666	⚠1-123-324-51	ELECT	1000MF	20%	16V	
C667	1-162-318-11	CERAMIC	0.001MF	10%	500V	
C668	1-162-318-11	CERAMIC	0.001MF	10%	500V	
C669	⚠1-123-877-51	ELECT	470MF	20%	35V	
C670	⚠1-123-877-51	ELECT	470MF	20%	35V	
C682	1-101-006-00	CERAMIC	0.047MF		50V	
C684	1-124-791-11	ELECT	1MF	20%	50V	
		DIODE				
D655	8-719-300-09	DIODE CTU-24S				
	*4-347-706-00	HEAT SINK (TR); D655				
D656	⚠8-719-301-09	DIODE CTL-12S				
D657	8-719-982-04	DIODE ERB81-004				
D658	⚠8-719-301-09	DIODE CTL-12S				
D659	⚠8-719-301-09	DIODE CTL-12S				
D661	8-719-982-04	DIODE ERB81-004				
		FUSE				
F651	⚠1-532-593-11	FUSE, GLASS TUBE 1.6A/125V				
		CONNECTOR				
G5	*1-508-765-00	3P PLUG (M)				
		MODULE				
IC651	⚠1-235-445-11	MODULE, POWER (DM-21)				
		COIL				
L653	1-407-780-00	COIL, SPOOK CHOKE				

Ref.No.	Part No.	Description				Remark
L654	1-407-365-00	COIL, CHOKE				
L655	1-407-364-00	COIL, SPOOK CHOKE 3.3UH				
L656	1-459-406-00	COIL (WITH CORE)				
L657	1-408-225-00	INDUCTOR	3.3UH			
L658	1-407-365-00	COIL, CHOKE				
L659	1-407-780-00	COIL, SPOOK CHOKE				
L662	1-407-720-00	CHOKE COIL				
		RESISTOR				
R657	⚠1-206-700-61	METAL OXIDE	33K	5%	2W	F
R658	⚠1-246-987-11	CARBON	47	5%	1/8W	F
R659	⚠1-246-987-11	CARBON	47	5%	1/8W	F
R661	⚠1-202-653-15	SOLID	2.2M	5%	1/2W	
		TRANSFORMER				
T653	⚠1-421-894-11	PIT				

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Ref.No.	Part No.	Description				Remark
	*A-1330-784-A	C BOARD, COMPLETE *****************				
	1-526-644-71	SOCKET, CRT				
	4-812-554-00	WASHER				
		CONNECTOR				
C1	⚠*1-506-371-21	2P PLUG (L)				
C2	*1-566-054-11	PIN, CONNECTOR 2P				
C3	*1-566-055-11	PIN, CONNECTOR 3P				
C5	*1-566-061-11	PIN, CONNECTOR 9P				
C6	*1-566-054-11	PIN, CONNECTOR 2P				
C7	*1-508-768-00	6P PLUG				
C8	*1-508-784-00	1P PLUG				
		CAPACITOR				
C701	1-162-115-00	CERAMIC	330PF	10%	2KV	
C702	1-129-779-00	FILM	0.022MF	20%	1KV	
C703	1-123-383-00	ELECT	4.7MF	20%	100V	
C704	1-123-948-00	ELECT	22MF	20%	250V	
C705	1-106-387-00	MYLAR	0.1MF	10%	200V	
C706	1-106-387-00	MYLAR	0.1MF	10%	200V	
C707	1-102-116-00	CERAMIC	680PF	10%	50V	
C708	1-102-116-00	CERAMIC	680PF	10%	50V	
C709	1-102-116-00	CERAMIC	680PF	10%	50V	
C710	1-102-115-00	CERAMIC	560PF	10%	50V	
C711	1-123-356-00	ELECT	10MF	20%	25V	
C712	1-102-115-00	CERAMIC	560PF	10%	50V	
C713	1-102-116-00	CERAMIC	680PF	10%	50V	
C714	1-123-321-00	ELECT	220MF	20%	16V	
C715	1-102-125-00	CERAMIC	0.0047MF	10%	50V	
C718	1-102-125-00	CERAMIC	0.0047MF	10%	50V	
C723	1-108-634-81	MYLAR	0.047MF	10%	100V	
C753	1-102-971-00	CERAMIC	82PF	5%	50V	
C754	1-108-617-91	MYLAR	0.0018MF	10%	100V	
C755	1-123-356-00	ELECT	10MF	20%	25V	

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C

Ref.No.	Part No.	Description				Remark
C756	1-106-367-00	MYLAR	0.01MF	10%	100V	
C757	1-106-367-00	MYLAR	0.01MF	10%	100V	
C758	1-102-963-00	CERAMIC	33PF	5%	50V	
C759	1-102-963-00	CERAMIC	33PF	5%	50V	
C760	1-108-614-91	MYLAR	0.001MF	10%	100V	
C762	1-106-367-00	MYLAR	0.01MF	10%	100V	
C763	1-123-356-00	ELECT	10MF	20%	50V	
C764	1-106-220-00	MYLAR	0.1MF	10%	100V	
C765	1-123-380-00	ELECT	1MF	20%	50V	
C766	1-124-122-11	ELECT	100MF	20%	50V	

DIODE

Ref.No.	Part No.	Description
D701	8-719-911-19	DIODE 1SS119
D702	8-719-911-19	DIODE 1SS119
D703	8-719-911-19	DIODE 1SS119
D704	8-719-911-19	DIODE 1SS119
D705	8-719-911-19	DIODE 1SS119
D706	8-719-911-19	DIODE 1SS119
D707	8-719-911-19	DIODE 1SS119
D708	8-719-911-19	DIODE 1SS119
D709	8-719-911-19	DIODE 1SS119
D710	8-719-901-83	DIODE 1SS83
D711	8-719-901-83	DIODE 1SS83
D712	8-719-901-83	DIODE 1SS83
D713	8-719-901-83	DIODE 1SS83
D751	8-719-911-19	DIODE 1SS119
D752	8-719-911-19	DIODE 1SS119

COIL

Ref.No.	Part No.	Description	
L701	1-407-701-00	INDUCTOR	47UH
L702	1-407-708-00	INDUCTOR	180UH
L703	1-407-706-00	INDUCTOR	120UH
L704	1-407-694-00	INDUCTOR	12UH
L705	1-407-696-00	INDUCTOR	18UH
L706	1-407-709-00	INDUCTOR	220UH
L707	1-407-695-00	INDUCTOR	15UH
L721	1-408-413-00	INDUCTOR	22UH
L751	1-408-399-00	INDUCTOR	1.5UH

TRANSISTOR

Ref.No.	Part No.	Description
Q701	8-729-326-11	TRANSISTOR 2SC2611
Q702	8-729-178-54	TRANSISTOR 2SC2785
Q703	8-729-200-17	TRANSISTOR 2SA1091
Q704	8-729-326-11	TRANSISTOR 2SC2611
Q705	8-729-178-54	TRANSISTOR 2SC2785
Q706	8-729-200-17	TRANSISTOR 2SA1091
Q707	8-729-200-17	TRANSISTOR 2SA1091
Q708	8-729-326-11	TRANSISTOR 2SC2611
Q709	8-729-178-54	TRANSISTOR 2SC2785
Q710	8-729-255-12	TRANSISTOR 2SC2551
Q712	8-729-255-12	TRANSISTOR 2SC2551
Q714	8-729-200-17	TRANSISTOR 2SA1091
Q715	8-729-200-17	TRANSISTOR 2SA1091
Q716	8-729-200-17	TRANSISTOR 2SA1091

Ref.No.	Part No.	Description	Remark
Q751	8-729-178-54	TRANSISTOR 2SC2785	
Q752	8-729-178-54	TRANSISTOR 2SC2785	
Q753	8-729-178-54	TRANSISTOR 2SC2785	
Q754	8-729-177-43	TRANSISTOR 2SD774	
Q755	8-729-178-54	TRANSISTOR 2SC2785	
Q756	8-729-374-02	TRANSISTOR 2SB740	
Q757	⚠ 8-729-177-42	TRANSISTOR 2SD774-3	

RESISTOR

Ref.No.	Part No.	Description				Remark
R701	⚠ 1-212-352-61	METAL OXIDE	0.22	5%	1W	F
R702	1-202-846-00	SOLID	470K	10%	1/2W	
R703	1-202-844-00	SOLID	330K	10%	1/2W	
R704	1-202-815-11	SOLID	47K	10%	1/2W	
R705	1-202-846-00	SOLID	470K	10%	1/2W	
R706	1-202-720-00	SOLID	1.2M	10%	1/2W	
R707	1-202-842-11	SOLID	220K	10%	1/2W	
R708	1-202-818-00	SOLID	1K	10%	1/2W	
R709	1-202-818-00	SOLID	1K	10%	1/2W	
R710	1-202-818-00	SOLID	1K	10%	1/2W	
R711	1-202-549-00	SOLID	100	10%	1/2W	
R712	1-202-543-00	SOLID	56	10%	1/2W	
R713	1-216-486-00	METAL OXIDE	8.2K	5%	3W	F
R714	1-249-409-11	CARBON	220	5%	1/4W	
R715	1-249-429-11	CARBON	10K	5%	1/4W	
R716	1-216-486-00	METAL OXIDE	8.2K	5%	3W	F
R717	1-249-409-11	CARBON	220	5%	1/4W	
R720	1-216-486-00	METAL OXIDE	8.2K	5%	3W	F
R721	1-249-409-11	CARBON	220	5%	1/4W	
R722	1-249-405-11	CARBON	100	5%	1/4W	
R723	1-247-700-11	CARBON	100	5%	1/4W	
R724	1-249-405-11	CARBON	100	5%	1/4W	
R725	1-249-429-11	CARBON	10K	5%	1/4W	
R726	1-249-408-11	CARBON	180	5%	1/4W	
R727	1-249-429-11	CARBON	10K	5%	1/4W	
R728	1-249-408-11	CARBON	180	5%	1/4W	
R729	1-249-441-11	CARBON	100K	5%	1/4W	
R730	1-215-402-00	CARBON	160	5%	1/4W	
R731	1-247-719-11	CARBON	3.3K	5%	1/4W	F
R732	1-247-719-11	CARBON	3.3K	5%	1/4W	F
R733	1-247-719-11	CARBON	3.3K	5%	1/4W	F
R734	1-247-715-11	CARBON	1.5K	5%	1/4W	
R735	1-246-476-00	CARBON	1.3K	5%	1/4W	
R736	1-246-476-00	CARBON	1.3K	5%	1/4W	
R737	1-249-441-11	CARBON	100K	5%	1/4W	
R739	1-247-881-00	CARBON	120K	5%	1/4W	
R740	⚠ 1-215-902-51	METAL OXIDE	47K	5%	2W	F
R741	1-249-438-11	CARBON	56K	5%	1/4W	
R742	1-247-725-11	CARBON	10K	5%	1/4W	F
R743	1-247-725-11	CARBON	10K	5%	1/4W	F
R744	1-247-725-11	CARBON	10K	5%	1/4W	F
R745	⚠ 1-247-713-51	CARBON	1K	5%	1/4W	F
R746	⚠ 1-215-879-51	METAL OXIDE	47K	5%	1W	F
R747	1-247-725-11	CARBON	10K	5%	1/4W	F

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Ref.No.	Part No.	Description				Remark
R751	1-247-704-11	CARBON	220	5%	1/4W	
R752	1-249-409-11	CARBON	220	5%	1/4W	
R753	1-249-418-11	CARBON	1.2K	5%	1/4W	
R754	1-249-412-11	CARBON	390	5%	1/4W	
R755 ⚠	1-215-871-51	METAL OXIDE	2.2K	5%	1W	F
R756	1-249-414-11	CARBON	560	5%	1/4W	
R757	1-249-426-11	CARBON	5.6K	5%	1/4W	
R758	1-249-435-11	CARBON	33K	5%	1/4W	
R759	1-249-393-11	CARBON	10	5%	1/4W	F
R760	1-249-411-11	CARBON	330	5%	1/4W	
R761	1-249-409-11	CARBON	220	5%	1/4W	
R762	1-249-409-11	CARBON	220	5%	1/4W	
R763	1-249-437-11	CARBON	47K	5%	1/4W	
R764	1-249-397-11	CARBON	22	5%	1/4W	F
R765	1-249-417-11	CARBON	1K	5%	1/4W	
R766	1-249-435-11	CARBON	33K	5%	1/4W	
R767	1-249-441-11	CARBON	100K	5%	1/4W	
R768	1-249-435-11	CARBON	33K	5%	1/4W	
R769	1-249-417-11	CARBON	1K	5%	1/4W	
R770	1-249-389-11	CARBON	4.7	5%	1/4W	F
R771	1-249-389-11	CARBON	4.7	5%	1/4W	F
R772	1-249-402-11	CARBON	56	5%	1/4W	

VARIABLE RESISTOR

RV701	1-226-157-00	RES, ADJ, METAL GLAZE 1M	
RV703	1-228-729-00	RES, ADJ, CERAMIC CARBON 220K	
RV705	1-228-727-00	RES, ADJ, CERAMIC CARBON 47K	
RV706	1-228-724-00	RES, ADJ, CERAMIC CARBON 10K	

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*A-1340-936-A D2 BOARD, COMPLETE
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CAPACITOR

C2501	1-108-618-91	MYLAR	0.0022MF	10%	100V
C2502	1-108-632-81	MYLAR	0.033MF	10%	100V
C2503	1-108-620-91	MYLAR	0.0033MF	10%	100V
C2504	1-102-074-00	CERAMIC	0.001MF	10%	50V
C2505	1-106-367-00	MYLAR	0.01MF	10%	100V
C2506	1-108-620-91	MYLAR	0.0033MF	10%	100V
C2507	1-106-367-00	MYLAR	0.01MF	10%	100V
C2508	1-123-379-00	ELECT	0.47MF	20%	50V
C2509	1-123-356-00	ELECT	10MF	20%	50V
C2510	1-123-356-00	ELECT	10MF	20%	50V
C2511	1-123-359-00	ELECT	47MF	20%	50V
C2512	1-123-359-00	ELECT	47MF	20%	50V
C2513	1-123-357-00	ELECT	22MF	20%	50V
C2514	1-123-361-00	ELECT	220MF	20%	50V
C2515	1-123-333-00	ELECT	100MF	20%	25V
C2516	1-123-360-00	ELECT	100MF	20%	50V
C2517	1-129-701-00	FILM	0.01MF	5%	100V
C2518	1-102-231-11	CERAMIC	47PF	10%	500V
C2520	1-123-380-00	ELECT	1MF	20%	50V

Ref.No.	Part No.	Description			Remark
C2521	1-130-495-00	MYLAR	0.1MF	10%	50V
C2522	1-123-332-00	ELECT	47MF	20%	25V
C2523	1-108-637-00	MYLAR	0.082MF	10%	100V
C2524	1-106-222-00	MYLAR	0.12MF	10%	100V
C2525	1-123-379-00	ELECT	0.47MF	20%	50V
C2526	1-108-634-81	MYLAR	0.047MF	10%	100V
C2527	1-108-614-91	MYLAR	0.001MF	10%	100V
C2530	1-106-224-00	MYLAR	0.15MF	10%	100V
C2532	1-106-367-00	MYLAR	0.01MF	10%	100V
C2535	1-108-630-91	MYLAR	0.022MF	10%	100V
C2536	1-123-379-00	ELECT	0.47MF	20%	50V
C2537	1-123-332-00	ELECT	47MF	20%	25V
C2538	1-123-369-00	ELECT	4.7MF	20%	50V

CONNECTOR

D21	*1-566-058-11	PIN, CONNECTOR 6P
D22	*1-508-767-00	5P PLUG
D23	*1-508-766-00	4P PLUG (M)
D24	*1-508-765-00	3P PLUG (M)
D25	*1-508-784-00	1P PLUG
D26	*1-566-054-11	PIN, CONNECTOR 2P

DIODE

D2501	8-719-911-19	DIODE 1SS119
D2502	8-719-200-02	DIODE 10E2
D2503	8-719-200-02	DIODE 10E2
D2504	8-719-911-19	DIODE 1SS119
D2505	8-719-911-19	DIODE 1SS119
D2506	8-719-200-02	DIODE 10E2
D2507	8-719-110-51	DIODE RD20ES-B

COIL

L2501	1-407-877-00	INDUCTOR	15MMH
L2502	1-459-119-00	COIL, DUST CORE(ARC)	
L2503	1-407-504-00	INDUCTOR	10MMH
L2504	1-459-583-11	COIL (WITH CORE)	
L2505	1-443-012-00	TRANSFORMER, DYNAMIC CONVERSION	
L2506	1-459-123-00	COIL, DUST CORE(PAC)	

TRANSISTOR

Q2501	8-729-178-54	TRANSISTOR 2SC2785
Q2502	8-729-178-54	TRANSISTOR 2SC2785
Q2503	8-729-178-54	TRANSISTOR 2SC2785
Q2504	8-729-178-54	TRANSISTOR 2SC2785
Q2505	8-729-178-54	TRANSISTOR 2SC2785
Q2506	8-729-122-02	TRANSISTOR 2SA1220A
Q2507	8-729-169-02	TRANSISTOR 2SC2690A
Q2510	8-729-195-82	TRANSISTOR 2SC2958
Q2511 ⚠	8-729-101-54	TRANSISTOR 2SA1175TP-F
Q2512	8-729-122-02	TRANSISTOR 2SA1220A
Q2515	8-729-117-54	TRANSISTOR 2SA1175
Q2516	8-729-178-54	TRANSISTOR 2SC2785

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RESISTOR

Ref.No.	Part No.	Description				Remark
R2501	1-249-435-11	CARBON	33K	5%	1/4W	
R2502	1-249-429-11	CARBON	10K	5%	1/4W	
R2503	1-249-435-11	CARBON	33K	5%	1/4W	
R2504	1-249-429-11	CARBON	10K	5%	1/4W	
R2505	1-249-420-11	CARBON	1.8K	5%	1/4W	
R2506	1-249-429-11	CARBON	10K	5%	1/4W	
R2507	1-249-437-11	CARBON	47K	5%	1/4W	
R2508	1-249-437-11	CARBON	47K	5%	1/4W	
R2509	1-249-418-11	CARBON	1.2K	5%	1/4W	
R2510	1-249-438-11	CARBON	56K	5%	1/4W	
R2511	1-249-439-11	CARBON	68K	5%	1/4W	
R2512	1-249-429-11	CARBON	10K	5%	1/4W	
R2513	1-249-417-11	CARBON	1K	5%	1/4W	
R2514⚠	1-246-449-75	CARBON	100	5%	1/4W	
R2515	1-249-439-11	CARBON	68K	5%	1/4W	
R2516	1-249-425-11	CARBON	4.7K	5%	1/4W	
R2517	1-249-439-11	CARBON	68K	5%	1/4W	
R2518	1-249-439-11	CARBON	68K	5%	1/4W	
R2519	1-249-437-11	CARBON	47K	5%	1/4W	
R2520	1-249-421-11	CARBON	2.2K	5%	1/4W	
R2521	1-249-439-11	CARBON	68K	5%	1/4W	
R2522	1-249-430-11	CARBON	12K	5%	1/4W	
R2523	1-249-423-11	CARBON	3.3K	5%	1/4W	
R2524	1-249-426-11	CARBON	5.6K	5%	1/4W	
R2525	1-249-426-11	CARBON	5.6K	5%	1/4W	
R2526	1-249-423-11	CARBON	3.3K	5%	1/4W	
R2527	1-249-433-11	CARBON	22K	5%	1/4W	
R2528	1-249-425-11	CARBON	4.7K	5%	1/4W	
R2529	1-249-433-11	CARBON	22K	5%	1/4W	
R2530	1-249-423-11	CARBON	3.3K	5%	1/4W	
R2531	1-249-401-11	CARBON	47	5%	1/4W	F
R2532	1-249-401-11	CARBON	47	5%	1/4W	F
R2533⚠	1-249-399-51	CARBON	33	5%	1/4W	F
R2534	1-249-429-11	CARBON	10K	5%	1/4W	
R2540	1-249-434-11	CARBON	27K	5%	1/4W	
R2541	1-247-883-00	CARBON	150K	5%	1/4W	
R2542⚠	1-216-426-51	METAL OXIDE	82	5%	1W	F
R2543	1-216-421-11	METAL OXIDE	12	5%	1W	F
R2544⚠	1-215-884-51	METAL OXIDE	47	5%	2W	F
R2545	1-249-421-11	CARBON	2.2K	5%	1/4W	
R2546	1-247-706-11	CARBON	330	5%	1/4W	
R2547	1-249-435-11	CARBON	33K	5%	1/4W	
R2548	1-249-439-11	CARBON	68K	5%	1/4W	
R2549	1-247-895-00	CARBON	470K	5%	1/4W	
R2550	1-249-429-11	CARBON	10K	5%	1/4W	
R2554	1-247-895-00	CARBON	470K	5%	1/4W	
R2555	1-249-424-11	CARBON	3.9K	5%	1/4W	
R2556	1-249-425-11	CARBON	4.7K	5%	1/4W	
R2557	1-249-429-11	CARBON	10K	5%	1/4W	
R2558	1-249-425-11	CARBON	4.7K	5%	1/4W	
R2559	1-249-433-11	CARBON	22K	5%	1/4W	
R2560	1-249-430-11	CARBON	12K	5%	1/4W	
R2561	1-249-429-11	CARBON	10K	5%	1/4W	
R2562	1-247-704-11	CARBON	220	5%	1/4W	
R2563	1-249-425-11	CARBON	4.7K	5%	1/4W	
R2564	1-249-437-11	CARBON	47K	5%	1/4W	
R2565	1-249-441-11	CARBON	100K	5%	1/4W	
R2566	1-249-409-11	CARBON	220	5%	1/4W	
R2567	1-249-421-11	CARBON	2.2K	5%	1/4W	

VARIABLE RESISTOR

Ref.No.	Part No.	Description	Remark
RV2501	1-228-727-00	RES, ADJ, CERAMIC CARBON 47K	
RV2502	1-228-727-00	RES, ADJ, CERAMIC CARBON 47K	
RV2503	1-228-727-00	RES, ADJ, CERAMIC CARBON 47K	
RV2504	1-228-724-00	RES, ADJ, CERAMIC CARBON 10K	
RV2505	1-228-724-00	RES, ADJ, CERAMIC CARBON 10K	

TRANSFORMER

Ref.No.	Part No.	Description	Remark
T2501	1-407-849-00	TRANSFORMER, D.F	

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*A-1345-688-A D BOARD, COMPLETE
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CAPACITOR

Ref.No.	Part No.	Description				Remark
C501	1-123-380-00	ELECT	1MF	20%	50V	
C502	1-108-622-91	MYLAR	0.0047MF	10%	100V	
C503	1-108-622-91	MYLAR	0.0047MF	10%	100V	
C504	1-123-323-00	ELECT	470MF	20%	16V	
C505	1-123-379-00	ELECT	0.47MF	20%	50V	
C506	1-123-318-00	ELECT	33MF	20%	16V	
C507	1-123-379-00	ELECT	0.47MF	20%	50V	
C508	1-136-173-00	FILM	0.47MF	5%	50V	
C509	1-123-357-00	ELECT	22MF	20%	50V	
C512	1-136-161-00	FILM	0.047MF	5%	50V	
C514	1-124-609-11	ELECT	470MF	10%	50V	
C515	1-124-625-11	ELECT	22MF	10%	50V	
C516	1-123-336-00	ELECT	470MF	20%	25V	
C520	1-102-244-00	CERAMIC	220PF	10%	500V	
C521⚠	1-123-364-51	ELECT	1000MF	20%	50V	
C522⚠	1-123-875-91	ELECT	10MF	20%	50V	
C523	1-106-387-00	MYLAR	0.1MF	10%	200V	
C524	1-106-381-12	MYLAR	0.039MF	10%	200V	
C525	1-102-244-00	CERAMIC	220PF	10%	500V	
C526	1-124-342-00	ELECT	3.3MF	20%	160V	
C527	1-108-694-81	MYLAR	0.015MF	10%	200V	
C528	1-162-318-11	CERAMIC	0.001MF	10%	500V	
C529	1-123-356-00	ELECT	10MF	20%	50V	
C530	1-123-356-00	ELECT	10MF	20%	50V	
C531	1-123-379-00	ELECT	0.47MF	20%	50V	
C535	1-123-381-00	ELECT	2.2MF	20%	50V	
C536	1-123-381-00	ELECT	2.2MF	20%	50V	
C537	1-136-173-00	FILM	0.47MF	5%	50V	
C538	1-123-333-00	ELECT	100MF	20%	25V	

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Ref.No.	Part No.	Description			Remark
C539	1-123-380-00	ELECT	1MF	20%	50V
C540	1-123-369-00	ELECT	4.7MF	20%	25V
C541	1-123-369-00	ELECT	4.7MF	20%	25V
C542	1-123-381-00	ELECT	2.2MF	20%	50V
C543	1-123-330-00	ELECT	22MF	20%	16V
C544	1-123-369-00	ELECT	4.7MF	20%	50V
C545	1-123-330-00	ELECT	22MF	20%	25V
C546	1-123-381-00	ELECT	2.2MF	20%	50V
C547	1-123-333-00	ELECT	100MF	20%	25V
C548	1-123-321-00	ELECT	220MF	20%	16V
C551	1-123-357-00	ELECT	22MF	20%	50V
C552	1-123-356-00	ELECT	10MF	20%	50V
C555	1-123-379-00	ELECT	0.47MF	20%	50V
C556	1-136-173-00	FILM	0.47MF	5%	50V
C557	1-124-464-11	ELECT	0.22MF	20%	50V
C1501	1-108-634-81	MYLAR	0.047MF	10%	100V
C1502	1-106-220-00	MYLAR	0.1MF	10%	100V
C1503	1-106-371-00	MYLAR	0.015MF	10%	100V
C1504	1-123-330-00	ELECT	22MF	20%	16V
C1505	1-108-630-91	MYLAR	0.022MF	10%	100V
C1506	1-123-381-00	ELECT	2.2MF	20%	50V
C1507	1-123-332-00	ELECT	47MF	20%	25V
C1508	1-130-868-00	FILM	0.0056MF	5%	50V
C1509	1-123-369-00	ELECT	4.7MF	20%	25V
C1510	1-102-820-00	CERAMIC	330PF	5%	50V
C1511	1-123-321-00	ELECT	220MF	20%	16V
C1512	1-123-379-00	ELECT	0.47MF	20%	50V
C1513	1-108-634-81	MYLAR	0.047MF	10%	100V
C1514	1-123-369-00	ELECT	4.7MF	20%	50V
C1520	1-102-125-00	CERAMIC	0.0047MF	10%	50V
C1521	1-108-631-81	MYLAR	0.027MF	10%	100V
C1522	1-123-333-00	ELECT	100MF	20%	25V
C1523	1-102-978-00	CERAMIC	220PF	5%	50V
C1524	1-108-704-61	MYLAR	0.1MF	10%	200V
C1525	1-162-117-00	CERAMIC	100PF	10%	500V
C1526	1-102-157-00	CERAMIC	560PF	10%	500V
C1527	1-102-038-00	CERAMIC	0.001MF		500V
C1528	1-108-698-61	MYLAR	0.033MF	10%	200V
C1529	1-102-820-00	CERAMIC	330PF	5%	50V
C1530	1-123-361-00	ELECT	220MF	20%	50V
C1531⚠	1-125-294-11	ELECT(BLOCK)	560MF	20%	160V
C1532	1-124-006-11	ELECT	10MF	20%	25V
C1533⚠	1-162-115-51	CERAMIC	330PF	10%	2KV
C1534⚠	1-136-330-11	FILM	0.014MF	3%	1.6KV
C1535	1-129-953-00	FILM	0.068MF	20%	1.5KV
C1536	1-123-333-00	ELECT	100MF	20%	16V
C1537	1-123-333-00	ELECT	100MF	20%	16V
C1539⚠	1-102-228-11	CERAMIC	470PF	10%	500V
C1540⚠	1-162-115-51	CERAMIC	330PF	10%	2KV
C1541	1-108-614-91	MYLAR	0.001MF	10%	100V
C1542	1-136-179-00	FILM	1.5MF	5%	200V
C1543	1-102-820-00	CERAMIC	330PF	5%	50V
C1544	1-136-328-11	FILM	1MF	5%	400V
C1549	1-102-129-00	CERAMIC	0.01MF	10%	50V
C1550	1-102-973-00	CERAMIC	100PF	5%	50V
C1551	1-102-030-00	CERAMIC	330PF	10%	500V
C1552	1-106-367-00	MYLAR	0.01MF	10%	100V
C1553	1-123-379-00	ELECT	0.47MF	20%	50V
C1554	1-106-367-00	MYLAR	0.01MF	10%	100V
C1555	1-102-110-00	CERAMIC	220PF	10%	50V
C1556	1-123-333-00	ELECT	100MF	20%	25V
C1557	1-108-622-91	MYLAR	0.0047MF	10%	100V
C1558	1-123-330-00	ELECT	22MF	20%	16V
C1559	1-123-379-00	ELECT	0.47MF	20%	50V
C1560	1-123-379-00	ELECT	0.47MF	20%	50V
C1565	1-106-220-00	MYLAR	0.1MF	10%	100V
C1566⚠	1-162-115-51	CERAMIC	330PF	10%	2KV
C1567⚠	1-162-134-51	CERAMIC	470PF	10%	2KV
C1568⚠	1-130-706-11	FILM	0.008MF	3%	1.6KV
C1569⚠	1-129-747-11	FILM	0.047MF	10%	400V
C1570	1-129-751-00	FILM	0.1MF	20%	400V
C1571	1-102-030-00	CERAMIC	330PF	10%	500V
C1572	1-123-321-00	ELECT	220MF	20%	16V
C1576	1-123-332-00	ELECT	47MF	20%	25V
C1577	1-123-318-00	ELECT	33MF	20%	16V
C1578	1-108-630-91	MYLAR	0.022MF	10%	100V
C1579	1-106-220-00	MYLAR	0.1MF	10%	100V
C1585	1-123-357-00	ELECT	22MF	20%	50V
C1586	1-108-621-91	MYLAR	0.0039MF	10%	100V
C1587	1-131-351-00	TANTALUM	4.7MF	10%	35V
C1591	1-124-657-00	ELECT	10MF	20%	50V
C1592	1-106-367-00	MYLAR	0.01MF	10%	200V

CONNECTOR

D1	*1-508-766-00	4P PLUG (M)
D2	*1-566-054-11	PIN, CONNECTOR 2P
D3	*1-566-054-11	PIN, CONNECTOR 2P
D4	*1-508-765-00	3P PLUG (M)
D5	*1-506-348-XX	4P PLUG
D6	*1-508-767-00	5P PLUG
D7	*1-566-056-11	PIN, CONNECTOR 4P
D8	*1-508-765-00	3P PLUG (M)
D9	*1-508-765-00	3P PLUG (M)
D10	*1-508-768-00	6P PLUG
D11	*1-508-768-00	6P PLUG
D12	*1-566-055-11	PIN, CONNECTOR 3P
D15	*1-566-058-11	PIN, CONNECTOR 6P

DIODE

D501	8-719-815-55	DIODE 1S1555
D502	8-719-200-02	DIODE 10E2
D503	8-719-300-76	DIODE RH1A
D504	8-719-300-76	DIODE RH1A
D506	8-719-200-02	DIODE 10E2
D508	8-719-110-34	DIODE RD13ES-B
D510	8-719-109-88	DIODE RD5.6ES-B1

T.C. Corp
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Wharton NJ 07885
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D

Ref.No.	Part No.	Description	Remark
D513	8-719-110-38	DIODE RD15ES-B	
D515	8-719-000-12	DIODE MC931	
D516	8-719-000-12	DIODE MC931	
D517	8-719-110-60	DIODE RD24ES-B	
D520	8-719-190-00	DIODE RD24E-BZ7	
D521	8-719-815-55	DIODE 1S1555	
D522	8-719-120-78	DIODE RD6.2ES-L3	
D1502	8-719-815-55	DIODE 1S1555	
D1503	8-719-110-38	DIODE RD15ES-B	
D1508	8-719-815-55	DIODE 1S1555	
D1509	8-719-200-02	DIODE 10E2	
D1510⚠	8-719-300-74	DIODE RH1	
D1511	8-719-300-76	DIODE RH1A	
D1512	8-719-300-76	DIODE RH1A	
D1513	8-719-901-19	DIODE V11N	
D1515⚠	8-719-938-40	DIODE SIB01-02TP1	
D1516	8-719-903-09	DIODE V30N	
D1517A⚠	8-719-906-15	DIODE ERC26-15S	
D1517B⚠	8-719-906-15	DIODE ERC26-15S	
D1518A⚠	8-719-302-98	DIODE RG4C	
D1518B⚠	8-719-302-98	DIODE RG4C	
D1525	8-719-815-55	DIODE 1S1555	
D1527	8-719-300-76	DIODE RH1A	
D1528	8-719-926-16	DIODE ERC26-15SA	
D1529	8-719-300-76	DIODE RH1A	
D1530	8-719-300-76	DIODE RH1A	
D1531	8-719-300-38	DIODE GU-3A	
D1535	8-719-110-60	DIODE RD24ES-B	
D1536	8-719-102-65	DIODE RD4.7E-N2	
D1537	8-719-102-74	DIODE RD6.2E-N2	
D1538	8-719-815-55	DIODE 1S1555	
D1540	8-719-102-71	DIODE RD5.6E-N2	
		IC	
IC501⚠	8-759-178-12	IC UPC78L12	
IC503	8-759-178-12	IC UPC78L12	
IC504	8-759-700-08	IC NJM4558S	
IC1501	8-759-100-60	IC UPC1377C	
IC1502	8-759-700-08	IC NJM4558S	
IC1503	8-759-700-08	IC NJM4558S	
		COIL	
L501	1-459-060-00	COIL, DYNAMIC CONVERSION CHOKE	
L1501	1-407-364-00	COIL, SPOOK CHOKE 3.3UH	
L1502	1-459-215-00	CORE COIL	
L1503	1-407-365-00	COIL, CHOKE	
L1504	1-407-365-00	COIL, CHOKE	
L1505	1-407-365-00	COIL, CHOKE	
L1506	1-459-104-00	COIL, DUST CORE	
L1508⚠	1-421-390-11	COIL, FERRITE (PMC)	
L1510	1-407-365-00	COIL, CHOKE	
L1511	1-407-365-00	COIL, CHOKE	
L1512⚠	1-459-308-32	COIL, HORIZONTAL LINEARITY	
L1512A	1-421-329-00	COIL, CHOKE	
L1513	1-407-365-00	COIL, CHOKE	
		NEON LAMP	
NL501	1-519-237-11	LAMP, NEON	
		TRANSISTOR	
Q501	8-729-178-54	TRANSISTOR 2SC2785	
Q502	8-729-178-54	TRANSISTOR 2SC2785	
Q503	8-729-117-54	TRANSISTOR 2SA1175	
Q505	8-729-117-54	TRANSISTOR 2SA1175	
Q506	8-729-178-54	TRANSISTOR 2SC2785	
Q507	8-729-178-54	TRANSISTOR 2SC2785	
Q510	8-729-195-82	TRANSISTOR 2SC2958	
Q511 ⚠	8-729-122-02	TRANSISTOR 2SA1220A-Q	
Q512 ⚠	8-729-169-02	TRANSISTOR 2SC2690A-Q	
Q515	8-729-117-54	TRANSISTOR 2SA1175	
Q516	8-729-177-43	TRANSISTOR 2SD774	
Q517	8-729-178-54	TRANSISTOR 2SC2785	
Q518	8-729-178-54	TRANSISTOR 2SC2785	
Q519	8-729-178-54	TRANSISTOR 2SC2785	
Q520	8-729-178-54	TRANSISTOR 2SC2785	
Q522	8-729-117-54	TRANSISTOR 2SA1175	
Q523	8-729-117-54	TRANSISTOR 2SA1175	
Q1501	8-729-117-54	TRANSISTOR 2SA1175	
Q1503	8-729-203-81	TRANSISTOR 2SC2238B	
Q1504⚠	8-729-301-74	TRANSISTOR 2SD1497-04	
	4-374-410-01	SPACER, MICA; Q1504	
	*4-374-413-01	RETAINER (A), TR; Q1504	
Q1505	8-729-177-43	TRANSISTOR 2SD774	
Q1506	8-729-374-02	TRANSISTOR 2SB740	
Q1507	8-726-420-00	THYRISTOR SG-264A	
	3-703-320-00	BUSHING (A), TRANSISTOR; Q1507	
	4-303-844-00	SPACER, MICA (4) MD-17; Q1507	
	*4-309-762-00	RETAINER (MD-17), TRANSISTOR; Q1507	
Q1508⚠	8-729-301-74	TRANSISTOR 2SD1497-04	
	4-374-410-01	SPACER, MICA; Q1508	
	*4-374-413-01	RETAINER (A), TR; Q1508	
Q1511	8-729-374-02	TRANSISTOR 2SB740	
Q1512	8-729-117-54	TRANSISTOR 2SA1175	
Q1513	8-729-178-54	TRANSISTOR 2SC2785	
Q1514	8-729-178-54	TRANSISTOR 2SC2785	
Q1515	8-729-178-54	TRANSISTOR 2SC2785	
Q1520	8-729-168-82	TRANSISTOR 2SC2688	
	4-377-115-01	SPACER, MICA; Q1520	
	*4-381-170-01	HOLDER, TR; Q1520	
		RESISTOR	
R501	1-247-895-00	CARBON 470K 5% 1/4W	
R502	1-249-429-11	CARBON 10K 5% 1/4W	
R503	1-249-425-11	CARBON 4.7K 5% 1/4W	
R504	1-249-429-11	CARBON 10K 5% 1/4W	

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D

Ref.No.	Part No.	Description				Remark
R505	1-249-421-11	CARBON	2.2K	5%	1/4W	
R506	1-249-435-11	CARBON	33K	5%	1/4W	
R507	1-249-424-11	CARBON	3.9K	5%	1/4W	
R508	1-247-726-11	CARBON	33K	5%	1/4W	
R509	1-249-428-11	CARBON	8.2K	5%	1/4W	
R510	1-249-431-11	CARBON	15K	5%	1/4W	
R511	1-249-432-11	CARBON	18K	5%	1/4W	
R512	1-247-158-00	CARBON	13K	5%	1/4W	
R513	1-249-430-11	CARBON	12K	5%	1/4W	
R514	1-249-438-11	CARBON	56K	5%	1/4W	
R515	1-249-468-11	CARBON	82K	5%	1/4W	
R516	1-247-713-11	CARBON	1K	5%	1/4W	
R517	1-249-420-11	CARBON	1.8K	5%	1/4W	
R518	1-247-721-11	CARBON	4.7K	5%	1/4W	
R519	1-247-715-11	CARBON	1.5K	5%	1/4W	
R520	1-249-429-11	CARBON	10K	5%	1/4W	
R521	1-249-434-11	CARBON	27K	5%	1/4W	
R522	1-249-438-11	CARBON	56K	5%	1/4W	
R523	1-214-765-00	METAL	33K	1%	1/4W	
R525	1-216-353-00	METAL OXIDE	2.2	5%	1W	F
R526	1-249-423-11	CARBON	3.3K	5%	1/4W	
R527	1-249-420-11	CARBON	1.8K	5%	1/4W	
R528	1-249-412-11	CARBON	390	5%	1/4W	
R529	1-249-414-11	CARBON	560	5%	1/4W	
R530	1-249-410-11	CARBON	270	5%	1/4W	
R531	1-249-417-11	CARBON	1K	5%	1/4W	
R532	1-249-438-11	CARBON	56K	5%	1/4W	
R533	1-249-435-11	CARBON	33K	5%	1/4W	
R534	1-249-423-11	CARBON	3.3K	5%	1/4W	
R535	1-247-719-11	CARBON	3.3K	5%	1/4W	
R536 ⚠	1-249-393-51	CARBON	10	5%	1/4W	F
R537 ⚠	1-249-399-51	CARBON	33	5%	1/4W	F
R538	1-215-869-11	METAL OXIDE	1K	5%	1W	F
R539	1-216-350-11	METAL OXIDE	1.2	5%	1W	F
R540 ⚠	1-249-405-51	CARBON	100	5%	1/4W	F
R541	1-216-350-11	METAL OXIDE	1.2	5%	1W	F
R542	1-215-865-11	METAL OXIDE	220	5%	1W	F
R543 ⚠	1-249-382-51	CARBON	1.2	5%	1/4W	F
R544	1-215-869-11	METAL OXIDE	1K	5%	1W	F
R546	1-247-715-11	CARBON	1.5K	5%	1/4W	
R551	1-216-432-00	METAL OXIDE	820	5%	1W	F
R552	1-247-720-11	CARBON	3.9K	5%	1/4W	
R553 ⚠	1-215-891-51	METAL OXIDE	680	5%	2W	F
R554	1-247-721-11	CARBON	4.7K	5%	1/4W	
R557	1-247-725-11	CARBON	10K	5%	1/4W	
R558	1-247-723-11	CARBON	6.8K	5%	1/4W	
R560	1-247-713-11	CARBON	1K	5%	1/4W	
R561	1-247-708-11	CARBON	470	5%	1/4W	
R562	1-247-704-11	CARBON	220	5%	1/4W	
R563	1-247-704-11	CARBON	220	5%	1/4W	
R564	1-247-725-11	CARBON	10K	5%	1/4W	
R565	1-249-429-11	CARBON	10K	5%	1/4W	
R566	1-247-725-11	CARBON	10K	5%	1/4W	
R567	1-249-429-11	CARBON	10K	5%	1/4W	
R568	1-247-725-11	CARBON	10K	5%	1/4W	
R569	1-249-469-11	CARBON	100K	5%	1/4W	
R570	1-247-725-11	CARBON	10K	5%	1/4W	
R571	1-249-417-11	CARBON	1K	5%	1/4W	
R572	1-247-725-11	CARBON	10K	5%	1/4W	
R573	1-249-465-11	CARBON	47K	5%	1/4W	
R574	1-247-885-00	CARBON	180K	5%	1/4W	
R575	1-249-433-11	CARBON	22K	5%	1/4W	
R576	1-249-441-11	CARBON	100K	5%	1/4W	
R577	1-247-885-00	CARBON	180K	5%	1/4W	
R578	1-249-441-11	CARBON	100K	5%	1/4W	
R579	1-249-424-11	CARBON	3.9K	5%	1/4W	
R580	1-249-423-11	CARBON	3.3K	5%	1/4W	
R581	1-247-723-11	CARBON	6.8K	5%	1/4W	
R582	1-249-441-11	CARBON	100K	5%	1/4W	
R583	1-249-429-11	CARBON	10K	5%	1/4W	
R584	1-249-438-11	CARBON	56K	5%	1/4W	
R585	1-249-435-11	CARBON	33K	5%	1/4W	
R586	1-247-720-11	CARBON	3.9K	5%	1/4W	
R587	1-249-424-11	CARBON	3.9K	5%	1/4W	
R588	1-249-441-11	CARBON	100K	5%	1/4W	
R589	1-249-421-11	CARBON	2.2K	5%	1/4W	
R590	1-249-409-11	CARBON	220	5%	1/4W	
R591	1-249-409-11	CARBON	220	5%	1/4W	
R593 ⚠	1-206-753-61	METAL OXIDE	15K	5%	3W	F
R594	1-249-460-11	CARBON	15K	5%	1/4W	
R595	1-249-431-11	CARBON	15K	5%	1/4W	
R596	1-246-488-00	CARBON	4.3K	5%	1/4W	
⧓R597 ⚠		METAL			1/4W	
R598	1-214-749-00	METAL	6.8K	1%	1/4W	
R599	1-214-741-00	METAL	3.3K	1%	1/4W	
R1501	1-249-411-11	CARBON	330	5%	1/4W	
R1502	1-249-422-11	CARBON	2.7K	5%	1/4W	
R1503	1-247-700-11	CARBON	100	5%	1/4W	
R1504	1-249-435-11	CARBON	33K	5%	1/4W	
R1505	1-249-441-11	CARBON	100K	5%	1/4W	
R1506	1-215-484-00	CARBON	430K	5%	1/4W	
R1507	1-249-433-11	CARBON	22K	5%	1/4W	
R1508	1-249-429-11	CARBON	10K	5%	1/4W	
R1509	1-249-405-11	CARBON	100	5%	1/4W	
R1510	1-249-433-11	CARBON	22K	5%	1/4W	
R1511	1-247-881-00	CARBON	120K	5%	1/4W	
R1512	1-249-440-11	CARBON	82K	5%	1/4W	
R1513	1-249-423-11	CARBON	3.3K	5%	1/4W	
R1514	1-215-458-00	CARBON	36K	5%	1/4W	
R1515	1-249-441-11	CARBON	100K	5%	1/4W	
R1516	1-249-430-11	CARBON	12K	5%	1/4W	
R1518	1-249-429-11	CARBON	10K	5%	1/4W	
R1519	1-249-469-11	CARBON	100K	5%	1/4W	
R1520	1-249-435-11	CARBON	33K	5%	1/4W	
R1521	1-247-701-11	CARBON	120	5%	1/4W	
R1522	1-247-700-11	CARBON	100	5%	1/4W	

- The components identified by ⧓ in this manual have been carefully factory-selected for each set in order to satisfy regulations regarding X-ray radiation. Should replacement be required, replace only with the value originally used.

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D H4

Ref.No.	Part No.	Description				Remark
R1523	1-247-700-11	CARBON	100	5%	1/4W	
R1525	1-247-723-11	CARBON	6.8K	5%	1/4W	
R1526	1-246-543-00	CARBON	820K	5%	1/4W	
R1527	1-246-545-00	CARBON	1M	5%	1/4W	
R1529	1-215-918-00	METAL OXIDE	1.5K	5%	3W	F
R1530	1-247-700-11	CARBON	100	5%	1/4W	
R1531	1-247-713-11	CARBON	1K	5%	1/4W	F
R1532⚠	1-215-920-51	METAL OXIDE	3.3K	5%	3W	
R1533	1-247-721-11	CARBON	4.7K	5%	1/4W	
R1534	1-216-482-11	METAL OXIDE	1.8K	5%	3W	F
R1535	1-216-388-11	METAL OXIDE	0.82	5%	3W	F
R1536	1-247-697-11	CARBON	56	5%	1/4W	
R1537⚠	1-249-389-51	CARBON	4.7	5%	1/4W	F
R1538⚠	1-249-389-51	CARBON	4.7	5%	1/4W	F
R1539⚠	1-216-434-51	METAL OXIDE	1.8K	5%	1W	F
R1540⚠	1-215-915-51	METAL OXIDE	470	5%	3W	F
R1541⚠	1-216-479-51	METAL OXIDE	560	5%	3W	F
R1542	1-215-880-00	METAL OXIDE	10	5%	2W	F
R1543	1-215-866-11	METAL OXIDE	330	5%	1W	F
R1544⚠	1-216-448-51	METAL OXIDE	39	5%	2W	F
R1545	1-247-693-11	CARBON	27	5%	1/4W	
R1546⚠	1-216-373-91	METAL OXIDE	2.2	5%	2W	F
R1547	1-247-697-11	CARBON	56	5%	1/4W	
R1548	1-249-382-11	CARBON	1.2	5%	1/4W	F
R1549	1-249-448-11	CARBON	1.2	5%	1/4W	F
R1550	1-249-385-11	CARBON	2.2	5%	1/4W	F
R1551	1-247-688-11	CARBON	10	5%	1/4W	F
R1552	1-247-725-11	CARBON	10K	5%	1/4W	
R1553	1-249-425-11	CARBON	4.7K	5%	1/4W	F
R1554	1-249-410-11	CARBON	270	5%	1/4W	
R1555	1-249-465-11	CARBON	47K	5%	1/4W	
R1556	1-249-425-11	CARBON	4.7K	5%	1/4W	
R1557	1-249-429-11	CARBON	10K	5%	1/4W	
R1558	1-249-425-11	CARBON	4.7K	5%	1/4W	
R1559	1-249-417-11	CARBON	1K	5%	1/4W	
R1560	1-215-452-00	CARBON	20K	5%	1/4W	
R1561	1-214-746-00	METAL	5.1K	1%	1/4W	
R1562	1-247-713-11	CARBON	1K	5%	1/4W	
R1563	1-247-718-11	CARBON	2.7K	5%	1/4W	
R1564	1-249-405-11	CARBON	100	5%	1/4W	F
R1565	1-249-433-11	CARBON	22K	5%	1/4W	
R1566	1-249-439-11	CARBON	68K	5%	1/4W	
R1567	1-249-435-11	CARBON	33K	5%	1/4W	
R1568	1-247-713-11	CARBON	1K	5%	1/4W	
R1571⚠	1-249-448-51	CARBON	1.2	5%	1/4W	F
R1572⚠	1-249-448-51	CARBON	1.2	5%	1/4W	F
R1573⚠	1-249-382-51	CARBON	1.2	5%	1/4W	F
R1574	1-216-424-11	METAL OXIDE	39	5%	1W	F
R1575	1-249-382-11	CARBON	1.2	5%	1/4W	F
R1576	1-215-869-11	METAL OXIDE	1K	5%	1W	F
R1577	1-249-425-11	CARBON	4.7K	5%	1/4W	
R1578	1-202-723-00	SOLID	2.2M	10%	1/2W	
R1579	1-247-718-11	CARBON	2.7K	5%	1/4W	
R1580	1-249-439-11	CARBON	68K	5%	1/4W	
R1581	1-249-441-11	CARBON	100K	5%	1/4W	
R1582	1-249-429-11	CARBON	10K	5%	1/4W	
R1583	1-249-427-11	CARBON	6.8K	5%	1/4W	
R1584	1-249-421-11	CARBON	2.2K	5%	1/4W	
R1585	1-247-713-11	CARBON	1K	5%	1/4W	
R1588	1-215-872-11	METAL OXIDE	3.3K	5%	1W	F
R1589	1-247-726-11	CARBON	33K	5%	1/4W	
R1590	1-247-726-11	CARBON	33K	5%	1/4W	
R1592	1-214-779-00	METAL	120K	1%	1/4W	
R1593	1-214-781-00	METAL	150K	1%	1/4W	
R1594	1-247-722-11	CARBON	5.6K	5%	1/4W	
R1595	1-214-777-00	METAL	100K	1%	1/4W	
R1597	1-214-752-00	METAL	9.1K	1%	1/4W	
R1598	1-214-749-00	METAL	6.8K	1%	1/4W	

VARIABLE RESISTOR

Ref.No.	Part No.	Description	Remark
RV501	1-228-717-00	RES, ADJ, CERAMIC CARBON 220	
RV503	1-228-727-00	RES, ADJ, CERAMIC CARBON 47K	
RV505	1-228-728-00	RES, ADJ, CERAMIC CARBON 100K	
RV506	1-228-728-00	RES, ADJ, CERAMIC CARBON 100K	
RV507	1-228-725-00	RES, ADJ, CERAMIC CARBON 22K	
RV508	1-228-724-00	RES, ADJ, CERAMIC CARBON 10K	
RV509	1-228-724-00	RES, ADJ, CERAMIC CARBON 10K	
RV1501	1-228-723-00	RES, ADJ, CERAMIC CARBON 4.7K	
RV1503	1-228-720-00	RES, ADJ, CERAMIC CARBON 1K	
RV1505	1-228-720-00	RES, ADJ, CERAMIC CARBON 1K	
RV1506	1-228-727-00	RES, ADJ, CERAMIC CARBON 47K	
RV1510	1-228-720-00	RES, ADJ, CERAMIC CARBON 1K	

SPARK GAP

Ref.No.	Part No.	Description	Remark
SG1501	1-519-063-XX	DISCHARGING GAP	

TRANSFORMER

Ref.No.	Part No.	Description	Remark
T1501	1-437-089-00	TRANSFORMER, HORIZONTAL DRIVE	
T1502	1-437-089-00	TRANSFORMER, HORIZONTAL DRIVE	
T1503⚠	1-439-356-11	HOT	
T1513⚠	1-421-388-11	LOT	

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*1-620-767-11 H4 BOARD
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CONNECTOR

Ref.No.	Part No.	Description	Remark
H4-11	*1-566-063-11	PIN, CONNECTOR 11P	
H4-12	*1-566-063-11	PIN, CONNECTOR 11P	

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Ref.No.	Part No.	Description			Remark
	*1-620-768-11	H6 BOARD ********			
		CONNECTOR			
H6-31	*1-566-059-11	PIN, CONNECTOR 7P			
H6-32	*1-566-060-11	PIN, CONNECTOR 8P			
H6-33	*1-566-062-11	PIN, CONNECTOR 10P			
H6-34	*1-566-062-11	PIN, CONNECTOR 10P			
H6-35	*1-566-056-11	PIN, CONNECTOR 4P			
H6-36	*1-566-054-11	PIN, CONNECTOR 2P			
H6-37	*1-566-054-11	PIN, CONNECTOR 2P			
**					
	*1-623-890-11	H5 BOARD ********			
		CONNECTOR			
H5-1	*1-566-054-11	PIN, CONNECTOR 2P			
H5-2	*1-566-056-11	PIN, CONNECTOR 4P			
		SWITCH			
S981	1-570-145-11	SWITCH, SLIDE			
S982	1-570-145-11	SWITCH, SLIDE			
**					
	*A-1373-058-A	UB BOARD, COMPLETE ******************			
		CAPACITOR			
C3414	1-124-464-11	ELECT	0.22MF	20%	50V
C3415	1-124-464-11	ELECT	0.22MF	20%	50V
C3416	1-124-464-11	ELECT	0.22MF	20%	50V
C3417	1-124-464-11	ELECT	0.22MF	20%	50V
C3418	1-124-464-11	ELECT	0.22MF	20%	50V
C3419	1-124-464-11	ELECT	0.22MF	20%	50V
C3420	1-101-004-00	CERAMIC	0.01MF		50V
C3421	1-124-462-00	ELECT	10MF	20%	16V
C3422	1-124-462-00	ELECT	10MF	20%	16V
C3423	1-101-004-00	CERAMIC	0.01MF		50V
C3424	1-108-833-00	MYLAR	0.0047MF	10%	50V
C3425	1-108-837-00	MYLAR	0.01MF	10%	50V
C3426	1-108-845-00	MYLAR	0.047MF	10%	50V
C3427	1-108-833-00	MYLAR	0.0047MF	10%	50V
C3428	1-108-837-00	MYLAR	0.01MF	10%	50V
C3429	1-108-845-00	MYLAR	0.047MF	10%	50V
C3430	1-108-833-00	MYLAR	0.0047MF	10%	50V
C3431	1-108-845-00	MYLAR	0.047MF	10%	50V
C3433	1-108-837-00	MYLAR	0.01MF	10%	50V
C3434	1-101-004-00	CERAMIC	0.01MF		50V
C3435	1-124-236-00	ELECT	47MF	20%	16V
C3436	1-124-247-00	ELECT	10MF	20%	25V
C3437	1-101-004-00	CERAMIC	0.01MF		50V

Ref.No.	Part No.	Description			Remark
C3438	1-126-101-11	ELECT	100MF	20%	16V
C3439	1-108-618-91	MYLAR	0.0022MF	10%	100V
C3442	1-126-101-11	ELECT	100MF	20%	16V
C3443	1-124-462-00	ELECT	10MF	20%	16V
C3462	1-126-101-11	ELECT	100MF	20%	16V
C3463	1-123-820-00	ELECT	33MF	20%	16V
C3470	1-101-004-00	CERAMIC	0.01MF		50V
		DIODE			
D3420	8-719-911-19	DIODE 1SS119			
D3421	8-719-911-19	DIODE 1SS119			
D3422	8-719-911-19	DIODE 1SS119			
D3423⚠	8-719-112-64	DIODE RD10ES-T1B2			
D3424	8-719-110-36	DIODE RD13ES-B2			
D3425	8-719-911-19	DIODE 1SS119			
D3426	8-719-109-93	DIODE RD6.2ES-B2			
D3428	8-719-911-19	DIODE 1SS119			
D3433	8-719-110-15	DIODE RD10ES-B			
D3434	8-719-110-15	DIODE RD10ES-B			
D3435	8-719-110-15	DIODE RD10ES-B			
D3438	8-719-110-17	DIODE RD10ES-B2			
		IC			
IC3407	8-752-030-31	IC CXA1024S			
		COIL			
L3401	1-408-424-00	INDUCTOR	180UH		
		TRANSISTOR			
Q3429	8-729-900-36	TRANSISTOR DTC124ES			
Q3431	8-729-178-54	TRANSISTOR 2SC2785			
Q3432	8-729-178-54	TRANSISTOR 2SC2785			
Q3433⚠	8-729-101-37	TRANSISTOR 2SC2785TP-F			
Q3440	8-729-178-54	TRANSISTOR 2SC2785			
Q3450	8-729-178-54	TRANSISTOR 2SC2785			
Q3451	8-729-117-54	TRANSISTOR 2SA1175			
		RESISTOR			
R3351	1-247-717-11	CARBON	2.2K	5%	1/4W
R3352	1-249-429-11	CARBON	10K	5%	1/4W
R3353	1-249-429-11	CARBON	10K	5%	1/4W
R3354	1-249-405-11	CARBON	100	5%	1/4W
R3355	1-249-405-11	CARBON	100	5%	1/4W
R3356	1-249-405-11	CARBON	100	5%	1/4W
R3357	1-249-409-11	CARBON	220	5%	1/4W
R3358	1-249-429-11	CARBON	10K	5%	1/4W
R3359	1-249-429-11	CARBON	10K	5%	1/4W
R3360	1-249-462-11	CARBON	22K	5%	1/4W
R3361	1-247-725-11	CARBON	10K	5%	1/4W
R3363	1-247-704-11	CARBON	220	5%	1/4W
R3364	1-247-704-11	CARBON	220	5%	1/4W
R3365	1-247-704-11	CARBON	220	5%	1/4W

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Ref.No.	Part No.	Description				Remark
R3366	1-247-713-11	CARBON	1K	5%	1/4W	
R3367	1-247-713-11	CARBON	1K	5%	1/4W	
R3368	1-247-713-11	CARBON	1K	5%	1/4W	
R3369	1-215-424-00	METAL	1.3K	1%	1/6W	
R3370	1-249-413-11	CARBON	470	5%	1/4W	
R3371	1-249-413-11	CARBON	470	5%	1/4W	
R3372	1-247-717-11	CARBON	2.2K	5%	1/4W	
R3373	1-249-421-11	CARBON	2.2K	5%	1/4W	
R3374	1-215-493-00	CARBON	1M	5%	1/4W	
R3375	1-249-421-11	CARBON	2.2K	5%	1/4W	
R3376	1-249-421-11	CARBON	2.2K	5%	1/4W	
R3377	1-249-421-11	CARBON	2.2K	5%	1/4W	
R3378	1-249-429-11	CARBON	10K	5%	1/4W	
R3379	1-249-413-11	CARBON	470	5%	1/4W	
R3380	1-249-436-11	CARBON	39K	5%	1/4W	
R3381	1-249-434-11	CARBON	27K	5%	1/4W	
R3382	1-249-417-11	CARBON	1K	5%	1/4W	
R3383	1-249-417-11	CARBON	1K	5%	1/4W	
R3384	1-249-429-11	CARBON	10K	5%	1/4W	
R3385	1-249-417-11	CARBON	1K	5%	1/4W	
R3386	1-249-405-11	CARBON	100	5%	1/4W	
R3387	1-249-405-11	CARBON	100	5%	1/4W	
R3388	1-249-405-11	CARBON	100	5%	1/4W	
R3456	1-249-433-11	CARBON	22K	5%	1/4W	
R3460	1-249-438-11	CARBON	56K	5%	1/4W	
R3461	1-249-427-11	CARBON	6.8K	5%	1/4W	
R3470	1-246-529-00	CARBON	220K	5%	1/4W	
R3492	1-249-429-11	CARBON	10K	5%	1/4W	
R3493	1-249-429-11	CARBON	10K	5%	1/4W	
R3497	1-249-438-11	CARBON	56K	5%	1/4W	
R3498	1-247-887-00	CARBON	220K	5%	1/4W	
R3499	1-249-441-11	CARBON	100K	5%	1/4W	
		VARIABLE RESISTOR				
RV3301	1-228-993-00	RES, ADJ, CARBON 4.7K				
RV3302	1-228-993-00	RES, ADJ, CARBON 4.7K				
		CONNECTOR				
UB1	*1-566-058-11	PIN, CONNECTOR 6P				
UB2	*1-566-058-11	PIN, CONNECTOR 6P				
UB3	*1-566-054-11	PIN, CONNECTOR 2P				
UB4	*1-566-061-11	PIN, CONNECTOR 9P				
UB6	*1-566-054-11	PIN, CONNECTOR 2P				
UB7	*1-566-059-11	PIN, CONNECTOR 7P				
UB8	*1-566-057-11	PIN, CONNECTOR 5P				
UB9	*1-566-055-11	PIN, CONNECTOR 3P				
UB10	*1-566-056-11	PIN, CONNECTOR 4P				

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*A-1373-088-A UA BOARD, COMPLETE
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Ref.No.	Part No.	Description				Remark
	1-537-044-11	TERMINAL BOARD, INPUT/OUTPUT				
	1-537-105-11	TERMINAL BOARD, INPUT/OUTPUT				
		CAPACITOR				
C2201	1-124-236-00	ELECT	47MF	20%	16V	
C2202	1-124-462-00	ELECT	10MF	20%	16V	
C2203	1-124-462-00	ELECT	10MF	20%	16V	
C2204	1-124-236-00	ELECT	47MF	20%	16V	
C2205	1-124-462-00	ELECT	10MF	20%	16V	
C2206	1-124-462-00	ELECT	10MF	20%	16V	
C2207	1-124-236-00	ELECT	47MF	20%	16V	
C2208	1-124-462-00	ELECT	10MF	20%	16V	
C2209	1-124-236-00	ELECT	47MF	20%	16V	
C2210	1-101-004-00	CERAMIC	0.01MF		50V	
C2211	1-124-236-00	ELECT	47MF	20%	16V	
C2212	1-123-622-00	ELECT	22MF	20%	16V	
C2213	1-124-236-00	ELECT	47MF	20%	16V	
C2214	1-101-004-00	CERAMIC	0.01MF		50V	
C2215	1-124-462-00	ELECT	10MF	20%	16V	
C2216	1-124-462-00	ELECT	10MF	20%	16V	
C2232	1-136-161-00	FILM	0.047MF	5%	50V	
C2234	1-124-257-00	ELECT	2.2MF	20%	50V	
C2235	1-123-611-00	ELECT	1MF	20%	50V	
C2301	1-124-462-00	ELECT	10MF	20%	16V	
C2302	1-124-261-00	ELECT	10MF	20%	50V	
C2303	1-124-261-00	ELECT	10MF	20%	50V	
C2304	1-124-261-00	ELECT	10MF	20%	50V	
C2305	1-101-006-00	CERAMIC	0.047MF		50V	
C2306	1-136-153-00	FILM	0.01MF	5%	50V	
C2307	1-124-247-00	ELECT	10MF	20%	25V	
C2308	1-124-236-00	ELECT	47MF	20%	16V	
C2309	1-124-261-00	ELECT	10MF	20%	50V	
C2310	1-124-245-00	ELECT	4.7MF	20%	25V	
C2311	1-101-004-00	CERAMIC	0.01MF		50V	
C2312	1-124-236-00	ELECT	47MF	20%	16V	
C2313	1-124-236-00	ELECT	47MF	20%	16V	
C2314	1-101-004-00	CERAMIC	0.01MF		50V	
C2315	1-102-820-00	CERAMIC	330PF	5%	50V	
C2316	1-101-004-00	CERAMIC	0.01MF		50V	
C2317	1-102-887-00	CERAMIC	47PF	5%	50V	
C2318	1-102-887-00	CERAMIC	47PF	5%	50V	
C2319	1-102-887-00	CERAMIC	47PF	5%	50V	
C2320	1-101-004-00	CERAMIC	0.01MF		50V	
C2321	1-101-004-00	CERAMIC	0.01MF		50V	
C3464	1-124-462-00	ELECT	10MF	20%	16V	
C3465	1-102-121-00	CERAMIC	0.0022MF	10%	50V	
C3466	1-102-121-00	CERAMIC	0.0022MF	10%	50V	
C3467	1-124-444-00	ELECT	220MF	20%	10V	
C3468	1-124-120-11	ELECT	220MF	20%	16V	
C3469	1-124-444-00	ELECT	220MF	20%	10V	
C3470	1-124-120-11	ELECT	220MF	20%	16V	
C3471	1-124-236-00	ELECT	47MF	20%	16V	
C3472	1-124-444-00	ELECT	220MF	20%	10V	
C3473	1-123-661-00	ELECT	100MF	20%	6.3V	

Ref.No.	Part No.	Description				Remark
		DIODE				
D2301	8-719-911-19	DIODE 1SS119				
D2305	8-719-911-19	DIODE 1SS119				
D2308	8-719-911-19	DIODE 1SS119				
D2309	8-719-911-19	DIODE 1SS119				
D2310	8-719-110-03	DIODE RD7.5ES-B2				
D2311	8-719-110-03	DIODE RD7.5ES-B2				
D2312	8-719-110-03	DIODE RD7.5ES-B2				
D2313	8-719-110-37	DIODE RD13ES-B3				
D2314	8-719-911-19	DIODE 1SS119				
D2315	8-719-911-19	DIODE 1SS119				
D2316	8-719-911-19	DIODE 1SS119				
D2317	8-719-911-19	DIODE 1SS119				
D2321	8-719-109-93	DIODE RD6.2ES-B2				
D2322	8-719-109-65	DIODE RD3.3ES-B1				
D2323	8-719-109-65	DIODE RD3.3ES-B1				
D2324	8-719-109-95	DIODE RD6.8ES-B				
		IC				
IC2201	8-759-800-65	IC LA7910				
IC2202	8-759-140-66	IC UPD4066BC				
IC2203	8-759-102-37	IC UPD4052BC				
IC2204	8-759-140-53	IC UPD4053BC				
IC2301	8-759-900-09	IC SN74LS09N				
IC2302	8-759-900-11	IC SN74LS11N				
IC2303	8-759-900-09	IC SN74LS09N				
IC2304	8-759-901-38	IC SN74LS138N				
IC2305	8-759-901-36	IC SN74LS136N				
		TRANSISTOR				
Q2204	8-729-178-54	TRANSISTOR 2SC2785				
Q2205	8-729-178-54	TRANSISTOR 2SC2785				
Q2206	8-729-117-54	TRANSISTOR 2SA1175				
Q2207	8-729-178-54	TRANSISTOR 2SC2785				
Q2208	8-729-178-54	TRANSISTOR 2SC2785				
Q2209	8-729-178-54	TRANSISTOR 2SC2785				
Q2210	8-729-178-54	TRANSISTOR 2SC2785				
Q2211	8-729-178-54	TRANSISTOR 2SC2785				
Q2219	8-729-178-54	TRANSISTOR 2SC2785				
Q2220	8-729-117-54	TRANSISTOR 2SA1175				
Q2303	8-729-178-54	TRANSISTOR 2SC2785				
Q2304	8-729-178-54	TRANSISTOR 2SC2785				
Q2307	8-729-178-54	TRANSISTOR 2SC2785				
Q2308	8-729-178-54	TRANSISTOR 2SC2785				
Q2311	8-729-178-54	TRANSISTOR 2SC2785				
Q2312	8-729-178-54	TRANSISTOR 2SC2785				
Q2313	8-729-178-54	TRANSISTOR 2SC2785				
Q2314	8-729-178-54	TRANSISTOR 2SC2785				
Q2315	8-729-178-54	TRANSISTOR 2SC2785				
Q2316	8-729-900-36	TRANSISTOR DTC124ES				
Q2317	8-729-900-36	TRANSISTOR DTC124ES				
Q2318	8-729-117-54	TRANSISTOR 2SA1175				
Q2319	8-729-178-54	TRANSISTOR 2SC2785				
Q2320	8-729-178-54	TRANSISTOR 2SC2785				
Q2321	8-729-178-54	TRANSISTOR 2SC2785				
Q2322	8-729-178-54	TRANSISTOR 2SC2785				
Q2323	8-729-900-36	TRANSISTOR DTC124ES				
Q2324	8-729-178-54	TRANSISTOR 2SC2785				
Q2330	8-729-900-36	TRANSISTOR DTC124ES				
Q2331	8-729-178-54	TRANSISTOR 2SC2785				
Q2332	8-729-178-54	TRANSISTOR 2SC2785				
		RESISTOR				
R2201	1-249-429-11	CARBON	10K	5%	1/4W	
R2202	1-249-429-11	CARBON	10K	5%	1/4W	
R2203	1-249-429-11	CARBON	10K	5%	1/4W	
R2204	1-249-421-11	CARBON	2.2K	5%	1/4W	
R2205	1-247-104-00	CARBON	75	5%	1/4W	
R2210	1-247-104-00	CARBON	75	5%	1/4W	
R2215	1-247-104-00	CARBON	75	5%	1/4W	
R2227	1-247-717-11	CARBON	2.2K	5%	1/4W	
R2228	1-247-895-00	CARBON	470K	5%	1/4W	
R2229	1-249-417-11	CARBON	1K	5%	1/4W	
R2230	1-249-441-11	CARBON	100K	5%	1/4W	
R2231	1-249-441-11	CARBON	100K	5%	1/4W	
R2232	1-247-891-00	CARBON	330K	5%	1/4W	
R2233	1-247-891-00	CARBON	330K	5%	1/4W	
R2234	1-215-487-00	CARBON	560K	5%	1/4W	
R2235	1-247-891-00	CARBON	330K	5%	1/4W	
R2236	1-247-891-00	CARBON	330K	5%	1/4W	
R2237	1-247-891-00	CARBON	330K	5%	1/4W	
R2238	1-247-891-00	CARBON	330K	5%	1/4W	
R2239	1-249-440-11	CARBON	82K	5%	1/4W	
R2240	1-249-429-11	CARBON	10K	5%	1/4W	
R2241	1-249-429-11	CARBON	10K	5%	1/4W	
R2242	1-249-393-11	CARBON	10	5%	1/4W	
R2246	1-249-417-11	CARBON	1K	5%	1/4W	
R2247	1-249-411-11	CARBON	330	5%	1/4W	
R2248	1-249-423-11	CARBON	3.3K	5%	1/4W	
R2249	1-249-417-11	CARBON	1K	5%	1/4W	
R2250	1-249-432-11	CARBON	18K	5%	1/4W	
R2251	1-249-424-11	CARBON	3.9K	5%	1/4W	
R2252	1-249-429-11	CARBON	10K	5%	1/4W	
R2253	1-249-423-11	CARBON	3.3K	5%	1/4W	
R2254	1-249-417-11	CARBON	1K	5%	1/4W	
R2272	1-249-419-11	CARBON	1.5K	5%	1/4W	
R2273	1-249-429-11	CARBON	10K	5%	1/4W	
R2274	1-249-429-11	CARBON	10K	5%	1/4W	
R2275	1-249-421-11	CARBON	2.2K	5%	1/4W	
R2276	1-249-429-11	CARBON	10K	5%	1/4W	
R2277	1-249-417-11	CARBON	1K	5%	1/4W	
R2278	1-249-429-11	CARBON	10K	5%	1/4W	
R2279	1-249-441-11	CARBON	100K	5%	1/4W	
R2280	1-249-405-11	CARBON	100	5%	1/4W	
R2281	1-249-429-11	CARBON	10K	5%	1/4W	

UA H3

Ref.No.	Part No.	Description				Remark
R2282	1-247-891-00	CARBON	330K	5%	1/4W	
R2283	1-247-891-00	CARBON	330K	5%	1/4W	
R2302	1-247-704-11	CARBON	220	5%	1/4W	
R2304	1-247-704-11	CARBON	220	5%	1/4W	
R2306	1-247-704-11	CARBON	220	5%	1/4W	
R2307	1-247-713-11	CARBON	1K	5%	1/4W	
R2308	1-215-493-00	CARBON	1M	5%	1/4W	
R2314	1-249-417-11	CARBON	1K	5%	1/4W	
R2325	1-249-417-11	CARBON	1K	5%	1/4W	
R2327	1-249-417-11	CARBON	1K	5%	1/4W	
R2337	1-249-417-11	CARBON	1K	5%	1/4W	
R2340	1-249-424-11	CARBON	3.9K	5%	1/4W	
R2344	1-249-417-11	CARBON	1K	5%	1/4W	
R2345	1-247-725-11	CARBON	10K	5%	1/4W	
R2346	1-249-429-11	CARBON	10K	5%	1/4W	
R2349	1-249-428-11	CARBON	8.2K	5%	1/4W	
R2350	1-249-427-11	CARBON	6.8K	5%	1/4W	
R2351	1-249-417-11	CARBON	1K	5%	1/4W	
R2352	1-249-434-11	CARBON	27K	5%	1/4W	
R2353	1-249-433-11	CARBON	22K	5%	1/4W	
R2354	1-247-725-11	CARBON	10K	5%	1/4W	
R2355	1-249-419-11	CARBON	1.5K	5%	1/4W	
R2356	1-247-698-11	CARBON	68	5%	1/4W	
R2357	1-247-717-11	CARBON	2.2K	5%	1/4W	
R2358	1-215-468-00	CARBON	91K	5%	1/4W	
R2359	1-249-434-11	CARBON	27K	5%	1/4W	
R2360	1-249-428-11	CARBON	8.2K	5%	1/4W	
R2361	1-249-421-11	CARBON	2.2K	5%	1/4W	
R2362	1-249-429-11	CARBON	10K	5%	1/4W	
R2363	1-249-405-11	CARBON	100	5%	1/4W	
R2364	1-249-421-11	CARBON	2.2K	5%	1/4W	
R2365	1-249-425-11	CARBON	4.7K	5%	1/4W	
R2366	1-247-721-11	CARBON	4.7K	5%	1/4W	
R2367	1-247-704-11	CARBON	220	5%	1/4W	
R2368	1-249-425-11	CARBON	4.7K	5%	1/4W	
R2369	1-249-433-11	CARBON	22K	5%	1/4W	
R2370	1-249-437-11	CARBON	47K	5%	1/4W	
R2371	1-249-429-11	CARBON	10K	5%	1/4W	
R2372	1-249-422-11	CARBON	2.7K	5%	1/4W	
R2373	1-249-428-11	CARBON	8.2K	5%	1/4W	
R2374	1-249-423-11	CARBON	3.3K	5%	1/4W	
R2375	1-249-421-11	CARBON	2.2K	5%	1/4W	
R2376	1-249-425-11	CARBON	4.7K	5%	1/4W	
R2377	1-249-425-11	CARBON	4.7K	5%	1/4W	
R2378	1-249-425-11	CARBON	4.7K	5%	1/4W	
R2379	1-247-700-11	CARBON	100	5%	1/4W	
R2380	1-247-721-11	CARBON	4.7K	5%	1/4W	
R2381	1-247-721-11	CARBON	4.7K	5%	1/4W	
R2382	1-249-421-11	CARBON	2.2K	5%	1/4W	
R2383	1-249-421-11	CARBON	2.2K	5%	1/4W	
R2384	1-249-421-11	CARBON	2.2K	5%	1/4W	
R2385	1-249-421-11	CARBON	2.2K	5%	1/4W	
R2386	1-249-417-11	CARBON	1K	5%	1/4W	
R2387	1-249-417-11	CARBON	1K	5%	1/4W	
R2388	1-249-429-11	CARBON	10K	5%	1/4W	
R2389	1-249-417-11	CARBON	1K	5%	1/4W	
R2390	1-247-717-11	CARBON	2.2K	5%	1/4W	
R2391	1-247-717-11	CARBON	2.2K	5%	1/4W	
R2392	1-247-104-00	CARBON	75	5%	1/4W	
R2393	1-247-104-00	CARBON	75	5%	1/4W	
R2417	1-249-401-11	CARBON	47	5%	1/4W	
R2418	1-249-401-11	CARBON	47	5%	1/4W	

SWITCH

Ref.No.	Part No.	Description	Remark
S2001	1-570-145-11	SWITCH, SLIDE	
S2002	1-570-145-11	SWITCH, SLIDE	
S2003	1-570-145-11	SWITCH, SLIDE	
S2004	1-570-145-11	SWITCH, SLIDE	

CONNECTOR

Ref.No.	Part No.	Description	Remark
UA1	*1-566-058-11	PIN, CONNECTOR 6P	
UA2	*1-566-058-11	PIN, CONNECTOR 6P	
UA3	*1-566-056-11	PIN, CONNECTOR 4P	
UA4	*1-566-057-11	PIN, CONNECTOR 5P	
UA5	*1-508-767-00	5P PLUG	
UA6	*1-566-057-11	PIN, CONNECTOR 5P	
UA8	*1-566-054-11	PIN, CONNECTOR 2P	
UA11	*1-566-055-11	PIN, CONNECTOR 3P	
UA12	*1-508-784-00	1P PLUG	
UA15	*1-566-057-11	PIN, CONNECTOR 5P	
UA16	*1-566-055-11	PIN, CONNECTOR 3P	
UA17	*1-566-054-11	PIN, CONNECTOR 2P	

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*A-1375-069-A H3 BOARD, COMPLETE
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CAPACITOR

Ref.No.	Part No.	Description				Remark
C971	1-108-830-00	MYLAR	0.0027MF	10%	50V	
C972	1-130-481-00	MYLAR	0.0068MF	10%	50V	
C973	1-108-837-00	MYLAR	0.01MF	10%	50V	
C974	1-124-462-00	ELECT	10MF	20%	16V	
C981	1-130-487-00	MYLAR	0.022MF	5%	50V	
C990	1-124-462-00	ELECT	10MF	20%	16V	
C991	1-124-462-00	ELECT	10MF	20%	16V	

DIODE

Ref.No.	Part No.	Description	Remark
D971	8-719-109-85	DIODE RD5.1ES-B2	
D981	8-719-911-19	DIODE 1SS119	
D982	8-719-109-97	DIODE RD6.8ES-B2	

CONNECTOR

Ref.No.	Part No.	Description	Remark
H3-2	*1-566-054-11	PIN, CONNECTOR 2P	
H3-3	*1-566-057-11	PIN, CONNECTOR 5P	
H3-4	*1-566-054-11	PIN, CONNECTOR 2P	
H3-5	*1-566-055-11	PIN, CONNECTOR 3P	

Ref.No.	Part No.	Description				Remark
H3-7	*1-566-055-11	PIN, CONNECTOR 3P				
H3-8	*1-566-055-11	PIN, CONNECTOR 3P				
		IC				
IC971	8-759-933-23	IC BA236				
IC990⚠	8-759-171-05	IC UPC7805H				
		COIL				
L990	1-408-424-00	INDUCTOR	180UH			
		TRANSISTOR				
Q971	8-729-178-54	TRANSISTOR 2SC2785				
Q981	8-729-178-54	TRANSISTOR 2SC2785				
Q982	8-729-178-54	TRANSISTOR 2SC2785				
Q990	8-729-178-54	TRANSISTOR 2SC2785				
		RESISTOR				
R977	1-249-433-11	CARBON	22K	5%	1/4W	
R978	1-249-433-11	CARBON	22K	5%	1/4W	
R979	1-249-429-11	CARBON	10K	5%	1/4W	
R980	1-249-408-11	CARBON	180	5%	1/4W	
R981	1-249-405-11	CARBON	100	5%	1/4W	
R982	1-249-432-11	CARBON	18K	5%	1/4W	
R983	1-249-427-11	CARBON	6.8K	5%	1/4W	
R984	1-249-417-11	CARBON	1K	5%	1/4W	
R985	1-249-418-11	CARBON	1.2K	5%	1/4W	
R986	1-249-420-11	CARBON	1.8K	5%	1/4W	
R987⚠	1-249-397-51	CARBON	22	5%	1/4W	F
R991	1-249-417-11	CARBON	1K	5%	1/4W	
R992	1-249-434-11	CARBON	27K	5%	1/4W	
R993	1-249-434-11	CARBON	27K	5%	1/4W	
R994	1-249-438-11	CARBON	56K	5%	1/4W	
R995	1-249-437-11	CARBON	47K	5%	1/4W	
R996	1-249-399-11	CARBON	33	5%	1/4W	
R997	1-249-421-11	CARBON	2.2K	5%	1/4W	
R998	1-249-429-11	CARBON	10K	5%	1/4W	
		VARIABLE RESISTOR				
RV972	1-228-725-00	RES, ADJ, CERAMIC CARBON 22K				
RV973	1-237-348-11	RES, VAR, CARBON 5K				
RV974	1-237-349-11	RES, VAR, CARBON 10K				
		SWITCH				
S972	1-570-758-11	SWITCH, ROTARY				
S973	1-570-758-11	SWITCH, ROTARY				

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	*A-1380-189-A	K BOARD, COMPLETE	
	4-309-378-00	WASHER	

Ref.No.	Part No.	Description			Remark
		CAPACITOR			
C201	1-124-270-11	ELECT	0.47MF	20%	50V
C202	1-124-270-11	ELECT	0.47MF	20%	50V
C203	1-124-126-00	ELECT	47MF	20%	16V
C204	1-124-126-00	ELECT	47MF	20%	16V
C205	1-108-850-11	MYLAR	0.12MF	10%	50V
C206	1-102-125-00	CERAMIC	0.0047MF	10%	50V
C207	1-102-125-00	CERAMIC	0.0047MF	10%	50V
C208	1-108-850-11	MYLAR	0.12MF	10%	50V
C209	1-124-038-00	ELECT	1MF	20%	50V
C210	1-124-045-00	ELECT	4.7MF	20%	50V
C211	1-124-045-00	ELECT	4.7MF	20%	50V
C212	1-124-045-00	ELECT	4.7MF	20%	50V
C213	1-124-041-91	ELECT	220MF	20%	16V
C218	1-123-985-81	ELECT	1000MF	20%	16V
C219	1-126-101-11	ELECT	100MF	20%	16V
C220	1-123-379-00	ELECT	0.47MF	20%	50V
C221	1-123-379-00	ELECT	0.47MF	20%	50V
C222	1-162-283-31	CERAMIC	120PF	10%	50V
C223	1-162-283-31	CERAMIC	120PF	10%	50V
C224	1-124-034-91	ELECT	33MF	20%	16V
C225⚠	1-124-474-91	ELECT	47MF	20%	16V
C227	1-130-495-00	MYLAR	0.1MF	10%	50V
C228	1-123-379-00	ELECT	0.47MF	20%	50V
C229	1-123-379-00	ELECT	0.47MF	20%	50V
C230	1-162-283-31	CERAMIC	120PF	10%	50V
C231	1-162-283-31	CERAMIC	120PF	10%	50V
C232	1-124-034-91	ELECT	33MF	20%	16V
C233	1-124-477-11	ELECT	47MF	20%	16V
C235	1-130-495-00	MYLAR	0.1MF	10%	50V
C236	1-124-471-00	ELECT	1000MF	20%	6.3V
C237	1-102-074-00	CERAMIC	0.001MF	10%	50V
C238	1-102-074-00	CERAMIC	0.001MF	10%	50V
C239	1-101-006-00	CERAMIC	0.047MF		50V
C240	1-101-006-00	CERAMIC	0.047MF		50V
C241	1-101-006-00	CERAMIC	0.047MF		50V
C242	1-125-296-00	ELECT(BLOCK)	4700MF		35V
C243	1-125-296-00	ELECT(BLOCK)	4700MF		35V
C246	1-123-356-00	ELECT	10MF	20%	16V
C251	1-123-356-00	ELECT	10MF	20%	16V
C252	1-123-875-11	ELECT	10MF	20%	50V
		DIODE			
D201⚠	8-719-111-99	DIODE RD6.2ES-T1B2			
D202	8-719-911-19	DIODE 1SS119			
D203	8-719-110-36	DIODE RD13ES-B2			
D204⚠	8-719-112-90	DIODE RD13ES-T1B2			
		IC			
IC201	8-759-276-30	IC TA7630P			
IC204⚠	8-759-111-88	IC UPC1188H			
IC205⚠	8-759-111-88	IC UPC1188H			

The components identified by shading and mark ⚠ are critical for safety. Replace only with part number specified.

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K H2

Ref.No.	Part No.	Description				Remark
		CONNECTOR				
K1	*1-566-059-11	PIN, CONNECTOR 7P				
K2	*1-508-767-00	5P PLUG				
K3	*1-566-056-11	PIN, CONNECTOR 4P				
K4	*1-566-054-11	PIN, CONNECTOR 2P				
K5	*1-508-765-00	3P PLUG (M)				
		COIL				
L201	1-408-424-00	INDUCTOR	180UH			
		TRANSISTOR				
Q201	8-729-178-54	TRANSISTOR 2SC2785				
Q204	8-729-178-54	TRANSISTOR 2SC2785				
Q205	8-729-178-54	TRANSISTOR 2SC2785				
Q206	8-729-117-54	TRANSISTOR 2SA1175				
Q209	8-729-117-54	TRANSISTOR 2SA1175				
Q211	8-729-177-43	TRANSISTOR 2SD774				
		RESISTOR				
R201	1-249-441-11	CARBON	100K	5%	1/4W	
R202	1-249-441-11	CARBON	100K	5%	1/4W	
R203	1-249-419-11	CARBON	1.5K	5%	1/4W	
R204	1-249-429-11	CARBON	10K	5%	1/4W	
R205	1-249-429-11	CARBON	10K	5%	1/4W	
R206	1-249-429-11	CARBON	10K	5%	1/4W	
R207	1-249-419-11	CARBON	1.5K	5%	1/4W	
R208	1-249-419-11	CARBON	1.5K	5%	1/4W	
R211	1-249-415-11	CARBON	680	5%	1/4W	
R221 ⚠	1-249-403-51	CARBON	68	5%	1/4W	F
R222	1-249-429-11	CARBON	10K	5%	1/4W	
R223	1-249-433-11	CARBON	22K	5%	1/4W	
R224	1-249-437-11	CARBON	47K	5%	1/4W	
R225	1-249-409-11	CARBON	220	5%	1/4W	
R227	1-249-430-11	CARBON	12K	5%	1/4W	
R228	1-249-390-11	CARBON	5.6	5%	1/4W	F
R229	1-249-430-11	CARBON	12K	5%	1/4W	
R230	1-249-433-11	CARBON	22K	5%	1/4W	
R231	1-249-438-11	CARBON	56K	5%	1/4W	
R232	1-249-409-11	CARBON	220	5%	1/4W	
R234	1-249-430-11	CARBON	12K	5%	1/4W	
R235 ⚠	1-249-390-51	CARBON	5.6	5%	1/4W	F
R236	1-249-429-11	CARBON	10K	5%	1/4W	
R237	1-249-429-11	CARBON	10K	5%	1/4W	
R238	1-249-423-11	CARBON	3.3K	5%	1/4W	
R239	1-249-437-11	CARBON	47K	5%	1/4W	
R240	1-249-430-11	CARBON	12K	5%	1/4W	
R241	1-249-441-11	CARBON	100K	5%	1/4W	
R242	1-249-429-11	CARBON	10K	5%	1/4W	
R243	1-249-425-11	CARBON	4.7K	5%	1/4W	
R244	1-249-417-11	CARBON	1K	5%	1/4W	
R245	1-249-417-11	CARBON	1K	5%	1/4W	
R246	1-249-417-11	CARBON	1K	5%	1/4W	
R252	1-249-419-11	CARBON	1.5K	5%	1/4W	
R257	1-249-423-11	CARBON	3.3K	5%	1/4W	

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*9-990-890-01 H2 BOARD (KEY BOARD UNIT A)
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Ref.No.	Part No.	Description				Remark
		DIODE				
D901	8-719-911-19	DIODE 1SS119				
D902	8-719-911-19	DIODE 1SS119				
D903	8-719-911-19	DIODE 1SS119				
D904	8-719-911-19	DIODE 1SS119				
D905	8-719-911-19	DIODE 1SS119				
D906	8-719-911-19	DIODE 1SS119				
D907	8-719-911-19	DIODE 1SS119				
D908	8-719-911-19	DIODE 1SS119				
D909	9-990-893-01	LED TLY263P				
D910	9-990-893-01	LED TLY263P				
D911	9-990-893-01	LED TLY263P				
D912	9-990-893-01	LED TLY263P				
D913	9-990-893-01	LED TLY263P				
D914	9-990-893-01	LED TLY263P				
D915	9-990-893-01	LED TLY263P				
D916	9-990-893-01	LED TLY263P				
D917	9-990-893-01	LED TLY263P				
D918	9-990-893-01	LED TLY263P				
D919	9-990-893-01	LED TLY263P				
D920	9-990-893-01	LED TLY263P				
D921	9-990-893-01	LED TLY263P				
D922	9-990-893-01	LED TLY263P				
D923	9-990-893-01	LED TLY263P				
D924	9-990-893-01	LED TLY263P				
D925	9-990-893-01	LED TLY263P				
D926	9-990-893-01	LED TLY263P				
D927	9-990-893-01	LED TLY263P				
D928	9-990-893-01	LED TLY263P				
D929	9-990-893-01	LED TLY263P				
D930	9-990-893-01	LED TLY263P				
D931	9-990-893-01	LED TLY263P				
		RESISTOR				
R901	1-247-700-11	CARBON	100	5%	1/4W	
R902	1-247-700-11	CARBON	100	5%	1/4W	
R903	1-247-700-11	CARBON	100	5%	1/4W	
R904	1-247-700-11	CARBON	100	5%	1/4W	
R905	1-247-700-11	CARBON	100	5%	1/4W	
R906	1-247-700-11	CARBON	100	5%	1/4W	
R907	1-247-700-11	CARBON	100	5%	1/4W	
R908	1-247-700-11	CARBON	100	5%	1/4W	
R909	1-247-700-11	CARBON	100	5%	1/4W	
R910	1-247-700-11	CARBON	100	5%	1/4W	
R911	1-247-700-11	CARBON	100	5%	1/4W	

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Ref.No.	Part No.	Description				Remark
R912	1-247-700-11	CARBON	100	5%	1/4W	
R913	1-247-700-11	CARBON	100	5%	1/4W	
R914	1-247-700-11	CARBON	100	5%	1/4W	
R915	1-247-700-11	CARBON	100	5%	1/4W	
R916	1-247-700-11	CARBON	100	5%	1/4W	
R917	1-247-700-11	CARBON	100	5%	1/4W	
R918	1-247-700-11	CARBON	100	5%	1/4W	
R919	1-247-700-11	CARBON	100	5%	1/4W	
R920	1-247-700-11	CARBON	100	5%	1/4W	
R921	1-247-700-11	CARBON	100	5%	1/4W	
R922	1-247-700-11	CARBON	100	5%	1/4W	
R923	1-247-700-11	CARBON	100	5%	1/4W	

SWITCH

S901	1-553-766-00	MT SWITCH (KEY BOARD SWITCH)
S902	1-553-766-00	MT SWITCH (KEY BOARD SWITCH)
S903	1-553-766-00	MT SWITCH (KEY BOARD SWITCH)
S904	1-553-766-00	MT SWITCH (KEY BOARD SWITCH)
S905	1-553-766-00	MT SWITCH (KEY BOARD SWITCH)
S906	1-553-766-00	MT SWITCH (KEY BOARD SWITCH)
S907	1-553-766-00	MT SWITCH (KEY BOARD SWITCH)
S908	1-553-766-00	MT SWITCH (KEY BOARD SWITCH)
S909	1-553-766-00	MT SWITCH (KEY BOARD SWITCH)
S910	1-553-766-00	MT SWITCH (KEY BOARD SWITCH)
S911	1-553-766-00	MT SWITCH (KEY BOARD SWITCH)
S912	1-553-766-00	MT SWITCH (KEY BOARD SWITCH)
S913	1-553-766-00	MT SWITCH (KEY BOARD SWITCH)
S913	1-553-766-00	MT SWITCH (KEY BOARD SWITCH)
S915	1-553-766-00	MT SWITCH (KEY BOARD SWITCH)

****

*9-990-897-01 H1 BOARD (KEY BOARD UNIT B)
****

DIODE

D935	8-719-911-19	DIODE 1SS119
D936	8-719-911-19	DIODE 1SS119
D937	8-719-911-19	DIODE 1SS119
D938	8-719-911-19	DIODE 1SS119
D939	8-719-911-19	DIODE 1SS119
D940	8-719-911-19	DIODE 1SS119
D941	8-719-911-19	DIODE 1SS119
D944	9-990-901-01	LED TLS263P
D946	9-990-901-01	LED TLS263P
D948	9-990-893-01	LED TLY263P
D949	9-990-893-01	LED TLY263P
D950	9-990-893-01	LED TLY263P
D951	9-990-893-01	LED TLY263P
D952	9-990-893-01	LED TLY263P
D953	9-990-893-01	LED TLY263P
D954	9-990-893-01	LED TLY263P
D955	9-990-893-01	LED TLY263P
D956	9-990-893-01	LED TLY263P
D957	9-990-893-01	LED TLY263P
D958	9-990-893-01	LED TLY263P
D959	9-990-893-01	LED TLY263P
D960	9-990-893-01	LED TLY263P
D961	9-990-893-01	LED TLY263P

RESISTOR

R935	1-247-703-11	CARBON	180	5%	1/4W
R937	1-247-714-11	CARBON	1.2K	5%	1/4W
R938	1-247-700-11	CARBON	100	5%	1/4W
R939	1-247-700-11	CARBON	100	5%	1/4W
R940	1-247-700-11	CARBON	100	5%	1/4W
R941	1-247-700-11	CARBON	100	5%	1/4W
R942	1-247-700-11	CARBON	100	5%	1/4W
R943	1-247-700-11	CARBON	100	5%	1/4W
R944	1-247-700-11	CARBON	100	5%	1/4W
R945	1-247-700-11	CARBON	100	5%	1/4W
R946	1-247-700-11	CARBON	100	5%	1/4W
R947	1-247-700-11	CARBON	100	5%	1/4W
R948	1-247-700-11	CARBON	100	5%	1/4W
R949	1-247-700-11	CARBON	100	5%	1/4W
R950	1-247-700-11	CARBON	100	5%	1/4W
R951	1-247-700-11	CARBON	100	5%	1/4W

SWITCH

S935	1-553-766-00	MT SWITCH (KEY BOARD SWITCH)
S936	1-553-766-00	MT SWITCH (KEY BOARD SWITCH)
S937	1-553-766-00	MT SWITCH (KEY BOARD SWITCH)
S938	1-553-766-00	MT SWITCH (KEY BOARD SWITCH)
S939	1-553-766-00	MT SWITCH (KEY BOARD SWITCH)
S940	1-553-766-00	MT SWITCH (KEY BOARD SWITCH)
S941	1-553-766-00	MT SWITCH (KEY BOARD SWITCH)
S942	1-553-766-00	MT SWITCH (KEY BOARD SWITCH)
S943	1-553-766-00	MT SWITCH (KEY BOARD SWITCH)

****

*9-990-898-01 N BOARD (KEY BOARD UNIT B)
****

IC

IC935	8-741-138-70	IC BX1387 (DETECTOR)

****

MISCELLANEOUS
****

⚠1-230-712-22	RESISTOR ASSY, HIGH-VOLTAGE
⚠1-426-296-11	COIL, DEMAGNETIZATION
⚠1-451-255-22	DEFLECTION YOKE (SY-164)
1-452-032-00	MAGNET, DISK; 10MM ø
1-452-094-00	MAGNET, ROTATABLE DISK; 15MM ø
1-452-146-21	MAGNET, BMC
⚠1-452-351-22	NECK ASSY, CRT (NA302)

The components identified by shading and mark ⚠ are critical for safety. Replace only with part number specified.

Les composants identifiés par une trame et une marque ⚠ sont critiques pour la sécurité. Ne les remplacer que par une pièce portant le numéro spécifié.

Ref.No.	Part No.	Description	Remark
	1-464-747-11	KEY BOARD UNIT (A)	
	1-464-748-11	KEY BOARD UNIT (B)	
	⚠ 1-526-920-12	AC OUTLET (WITH EARTH)	
	⚠ 1-557-970-11	CORD, POWER	
R1901	⚠ 1-205-904-11	RES, CEMENT WIREWOUND 1 5% 30W	
S1901	⚠ 1-554-966-12	SWITCH, PUSH (AC POWER)(1 KEY)	
S1902	⚠ 1-570-757-11	SWITCH, PUSH (DEGAUSS SWITCH))	
T604	⚠ 1-439-339-14	TRANSFORMER ASSY, FLYBACK	
V901	⚠ 8-736-652-05	PICTURE TUBE (A64JKJ10X)	

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ACCESSORIES AND PACKING MATERIALS
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Part No.	Description	Remark
A-1470-783-A	COMMANDER ASSY (RM-739)	
1-566-316-11	CONNECTOR, CONVERSION	
*4-371-192-01	CUSHION (FRONT)	
*4-380-432-01	BAG, PROTECTION	
*4-382-051-01	CUSHION (LOWER) (ASSY)	
*4-382-053-01	CUSHION (UPPER) (ASSY)	
*4-385-609-01	INDIVIDUAL CARTON **(FOR DARK GRAY)**	
*4-385-610-01	INDIVIDUAL CARTON **(FOR LIGHT GRAY)**	
4-482-344-25	MANUAL, INSTRUCTION	

The components identified by shading and mark ⚠ are critical for safety. Replace only with part number specified.

Les composants identifiés par une trame et une marque ⚠ sont critiques pour la sécurité. Ne les remplacer que par une pièce portant le numéro spécifié.

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